

TCRA Monthly Report No. 082
Submitted November 15, 2018
San Jacinto River Waste Pits Superfund Site
USEPA Region 6, CERCLA Docket No. 06-12-10
Channelview, Texas

This monthly report is submitted pursuant to the Administrative Settlement Agreement and Order on Consent for Removal Action: CERCLA Docket No. 06-12-10, Channelview, Texas, which became effective on May 17, 2010 (AOC). The AOC establishes the requirements for a Time Critical Removal Action (TCRA). The Respondents are International Paper Company (IP) and McGinnes Industrial Maintenance Corporation (MIMC). This monthly report has been initiated to replace the weekly report that was formerly submitted to the United States Environmental Protection Agency (USEPA) for the same project. Approval to change from weekly to monthly reporting was requested by the Respondents from USEPA in accordance with Section VIII, Paragraph 49.a. of the AOC. USEPA granted approval of this requested change on January 18, 2012.

A. Summary of Work Performed – Dates: October 2018-November 2018

The Respondents and Anchor QEA completed work on the following tasks:

- Submitted TCRA Monthly Progress Report No. 081 on October 15, 2018.
- Completed collection of survey data for fourth quarter 2018 TCRA inspection.
- Submitted TCRA Armored Cap Post USEPA Dive Inspection Maintenance and Vent Installation Completion Report on November 2, 2018.
- Submitted Post-TCRA Quarterly Inspection Report – July 2018, on November 5, 2018.
- Notified USEPA on November 5, 2018, of Respondents' intent to probe two areas of interest identified following collection of fourth quarter 2018 survey data.
- On November 6, 2018, conducted probing on two areas of interest identified following collection of fourth quarter survey data.
- On November 7, 2018, notified USEPA of Respondents' intent to place additional armor rock over 2 small areas with exposed geotextile in the Eastern Cell and 2 small areas on the northwestern submerged slope where the full armor rock thickness could not be confirmed during November 6 probing event, and requested approval to begin maintenance work on November 8, 2018.
- On November 9, 2018, received approval from USEPA to conduct maintenance work during the week of November 12, 2018.

B. Summary of Agency Communications

The written communications between the Respondents and USEPA, including and subsequent to the issuance of the Removal Action Work Plan (RAWP), are summarized in the attached Table 1.

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C. Summary of Sampling Results

Database was updated October 9, 2018 with results from Respondents' duplicate samples collected during the dive team inspection.

D. Problems, Delays, and Solutions

Removal Action Completion Report (RACR)

Respondents received a letter from USEPA dated July 24, 2012 (July 24 Letter), stating that USEPA had issued a letter dated May 22, 2012 (May 22 Letter), regarding the RACR. Prior to receiving the July 24 Letter, Respondents had not received the May 22 Letter in accordance with the requirements of the AOC. The subsequently emailed version of the May 22 Letter refers to USEPA's decision to disapprove the draft final RACR and issue the RACR in final form with revisions that USEPA had requested be made in the RACR, but that Respondents had declined to make, for reasons detailed in correspondence with USEPA dated March 8, 2012. On August 15, 2012, the Respondents received a copy of the final RACR in the form issued by USEPA. Pursuant to an email from USEPA's counsel dated August 10, 2012, USEPA extended the time for Respondents to exercise any rights that they have under the AOC to dispute USEPA's actions as reflected in the May 22 Letter. The extension was for a period of 60 days from the date on which Respondents and USEPA met to discuss this issue and issues related to stipulated penalties in general. That meeting took place on October 9, 2012. On various occasions, USEPA has agreed to further extend the deadline. The most recent extension is to December 3, 2018, as confirmed in an email from USEPA Regional Counsel to counsel for Respondents dated May 22, 2018.

Notices of Violation

Respondents continue to dispute USEPA's allegations contained in USEPA's Notices of Violations dated January 14, January 21, and January 24, 2011, and on April 4, 2011, they submitted an additional notice of dispute to USEPA with respect to USEPA's Notice of Violation dated March 3, 2011, and certain statements contained in two other letters from USEPA dated March 3, 2011. They also dispute USEPA's rejection by letter dated February 16, 2011, of their force majeure claim. They submitted a Notice of Dispute to USEPA on March 18, 2011, and made a supplemental submittal to USEPA on September 9, 2011, in response to that letter. On August 11, 2011, Respondents received a letter from USEPA dated August 5, 2011, alleging non-compliance with deadlines contained in the AOC. Respondents submitted

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a notice of dispute to USEPA on September 9, 2011, in response to the August 5, 2011 letter, pursuant to which they dispute any claim by USEPA that they are subject to stipulated penalties under the AOC or associated with the TCRA, as to which construction was substantially completed as of July 14, 2011, several weeks ahead of the original schedule for its substantial completion.

Access Issues

USEPA had agreed to extend the deadline it had set for Respondents to obtain access from San Jacinto River Fleet (SJRF), as the new owner of the property once owned by Big Star Barge & Boat Company, Inc. Subsequently, in an email dated October 6, 2011, USEPA's counsel asked Respondents to continue to work with SJRF to obtain access to the SJRF property but removed the deadline that had previously been set for Respondents to obtain such access. In an email dated October 7, 2011, SJRF's Vice-President, Brian Darnell, stated that Respondents could access portions of the SJRF's property, and in a later email, dated October 14, 2011, identified conditions that would be required for access to the other portions of the SJRF property. Respondents reviewed those conditions and responded to Mr. Darnell's October 14, 2011 email, by email dated October 31, 2011, a copy of which was sent to USEPA. On December 27, 2011, Respondents received a response from Mr. Darnell to their October 31, 2011 email, and given that the Respondents do not currently anticipate a need for access to the SJRF's property, have deferred a response to the issues raised in the email. Respondents will continue to pursue efforts to reach an access agreement with SJRF, should there be a need for access to the SJRF's property. USEPA had raised questions regarding a submission made by MIMC's counsel on September 30, 2011, regarding access issues with respect to the western boundary of the impoundments. Counsel for both of the Respondents have made submissions to USEPA in response.

SJRF Operations

Respondents have notified USEPA of, and previously addressed in their monthly reports under the Unilateral Administrative Order for the Site, their concerns regarding SJRF's operations in the vicinity of the Site. These concerns are applicable to the TCRA as well, due to potential adverse impact on the TCRA armored cap, and Respondents are now reporting such matters primarily in monthly reports submitted with respect to the AOC.

Pursuant to an email dated February 9, 2012, USEPA's counsel forwarded to Respondents' counsel a copy of a draft sampling and analysis plan prepared for SJRF (SJRF Draft SAP). The

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SJRF Draft SAP purports to address "existing environmental impact that could be disturbed by SJRF's commercial operations" in the vicinity of the Site. Respondents submitted correspondence dated March 8, 2012, to USEPA on the Respondents' concerns regarding potential impacts of SJRF's operations on the TCRA armored cap. The March 8, 2012 correspondence included Respondents' comments on the SJRF Draft SAP. On May 1, 2012, Respondents' counsel were informed by USEPA's counsel that the SJRF Draft SAP remained under review by USEPA. On May 16, 2012, USEPA's counsel provided Respondents' counsel with comments from the U.S. Department of Commerce National Oceanic and Atmospheric Administration (NOAA), the TCEQ, and the Harris County Pollution Control Services Department regarding the SJRF Draft SAP. On June 12, 2012, USEPA forwarded Respondents' Project Coordinator a copy of USEPA's June 12, 2012 correspondence with the SJRF pursuant to which it transmitted to SJRF its comments on the SJRF Draft SAP. On September 17, 2012, USEPA forwarded to Respondents the Revised SJRF SAP. USEPA subsequently confirmed that the Respondents could submit comments on the Revised SJRF SAP. On January 2, 2013, Respondents submitted to USEPA, via email, their comments regarding the Revised SJRF SAP. Respondents intend to continue to work with USEPA on this issue.

TCRA Cap Maintenance

During a scheduled inspection of the TCRA armored cap on July 20, 2012, visible geotextile was noted in discrete locations near the top of the western berm. The Respondents and Anchor QEA notified USEPA verbally regarding these observations on July 20, 2012. Anchor QEA performed additional inspections on July 21 and 22, 2012, and collected survey data of these areas on July 23, 2012. Pursuant to the OMM Plan, Respondents submitted written notification and an inspection report to USEPA to document these observations.

Also, in accordance with the OMM Plan, the Respondents submitted a TCRA Repair Plan to USEPA for review and approval on July 27, 2012. USEPA approved the TCRA Repair Plan by letter dated July 31, 2012 from Valmichael Leos. The Respondents' contractor, USA Environment, LP, mobilized to the TCRA Site within one business day of plan approval on August 1, 2012, in accordance with the OMM Plan. Cap maintenance activities were performed August 1 and 2, 2012, and were completed on August 3, 2012. The TCRA Maintenance Completion Report was submitted to USEPA on August 27, 2012. Regarding approval of the TCRA Repair Plan on July 31, 2012, USEPA requested information and raised questions with respect to certain aspects of the TCRA armored cap's design, construction, and current condition. Respondents submitted a letter to USEPA dated September 18, 2012,

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in response to the July 31, 2012 letter from Valmichael Leos. On October 10, 2012, Mr. Leos emailed a letter (the October 10 Letter) to Respondents' Project Manager. A list of 13 questions regarding the TCRA armored cap was attached to the October 10 Letter. Respondents analyzed these questions and requested a meeting with USEPA and the USACE to address the questions, including making a formal written request for a meeting in a letter dated January 2, 2013. The meeting was held on January 16, 2013. As requested by USEPA and discussed during the January 16, 2013 meeting, Respondents prepared and submitted a report on April 5, 2013 regarding the reassessment of the TCRA design and construction. By email dated April 25, 2013, and letter dated May 1, 2013 (the May 1 Letter), USEPA requested that the Respondents respond to a series of technical questions regarding the TCRA design. The Respondents participated in a conference call with USEPA to discuss these questions on May 9, 2013. Subsequent to the May 9 conference call, USEPA submitted additional follow-up technical questions to the Respondents via an email dated May 10, 2013. The Respondents submitted a letter to USEPA on June 14, 2013, responding to the questions contained in the May 1 Letter and the May 10, 2013, email. On January 15, 2013, Mr. Leos of USEPA was notified verbally and by letter of a maintenance issue identified as part of the quarterly inspection of the TCRA cap required by the OMM Plan. Additional communications with Mr. Leos took place with respect to additional inspection activities and maintenance issues. In accordance with the OMM Plan, the Respondents prepared a TCRA Repair Plan, which was submitted to USEPA on January 23, 2013 and approved by USEPA on January 24, 2013. The Respondents' contractor, USA Environment, LP, mobilized to the TCRA Site on January 25, 2013 and completed the cap maintenance activity on January 31, 2013 and fence maintenance activity on February 6, 2013. The Respondents prepared a TCRA Maintenance Completion Report to document these activities and submitted the report to USEPA on February 15, 2013.

On November 1, 2013, USEPA submitted a letter to the Respondents regarding USEPA's assessment of the TCRA cap. The letter enclosed a USACE October 2013 report entitled "Review of Design, Construction and Repair of TCRA Armoring for West Berm of San Jacinto Waste Pits," and requested that Respondents prepare a work plan with respect to certain matters addressed in the Report. In response to USEPA's request, Respondents on November 27, 2013 prepared and submitted the TCRA Enhancement Work Plan. On January 10, 2014, USEPA approved the TCRA Enhancement Work Plan. Respondents began the construction activities described in the approved Work Plan on January 17 and completed construction on January 27, 2014.

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E. Projected Work for the Next 2 Months – October 2018-December 2018

The Respondents and Anchor QEA expect to conduct the following tasks in the next 2 months:

- Continue to work with USEPA, if necessary, to address impacts of the SJRF's operations.
- Respond to notifications, if any, with respect to the monitoring system installed on the TCRA armored cap.
- Complete and submit Post-TCRA Quarterly Inspection Report for fourth quarter 2018.
- Conduct maintenance as approved by USEPA on November 9, 2018.
- Complete and submit maintenance completion report to document activities completed in accordance with USEPA's November 9, 2018 approval.

F. Schedule

Attached is the approved project construction schedule, which is being included, as directed by USEPA in a letter from Valmichael Leos to David Keith of Anchor QEA dated February 10, 2011. The approved construction schedule is out of date, as it references armor cap materials whose designations have now changed (as explained in the approved revised RAWP [Revised RAWP]), and includes "start" and "finish" dates for these materials that are no longer applicable since the sequencing of placement of the construction materials has also changed, as explained in the approved Revised RAWP. Note that armor cap material designations referred to above are based on the approved Revised RAWP.

A proposed updated project construction schedule, based on Respondents having obtained access to the TxDOT ROW, and secured a lease for a laydown area and dock facility, was transmitted to USEPA on February 14, 2011. Respondents prepared the updated project construction schedule pursuant to USEPA's direction, and it further revised and updated the schedule presented and submitted to USEPA at a January 31, 2011 meeting. On March 3, 2011, USEPA provided a letter indicating the proposed schedule was not approved and invited Respondents to request a meeting with USEPA if desired. A meeting with USEPA regarding the schedule took place on March 24, 2011, and based on that meeting, the Respondents did not submit a revised schedule. USEPA suggested during the March 24, 2011 meeting that the schedule be discussed in June or July 2011. Respondents note that the USEPA's August 5, 2011 letter (received by them on August 11, 2011) identifies alleged failure to meet construction deadlines contained in the outdated construction schedule. As noted

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above, Respondents on September 9, 2011 submitted a notice of dispute to USEPA with respect to the August 5, 2011 letter and any alleged violations of or non-compliance with the AOC with respect to such deadlines.

Table 2 presents a summary list of the major cap construction elements and their dates of completion. Please note that the tasks set out in Table 2 do not coincide with the tasks listed in the approved project construction schedule since, as discussed above, the approved schedule is out of date. In addition, the material designations referred to below are based on the approved Revised RAWP, which contains material designations that differ from those referred to in the out-of-date approved project construction schedule.

Table 2
Summary of Cap Construction Elements

Task	Date Completed
Water-side geotextile placement	May 16, 2011
Water-side placement of Cap A material	May 19, 2011
Water-side placement of Cap C material	May 13, 2011
Water-side placement of Cap D material	May 16, 2011
Clearing and grubbing of Western Cell	April 8, 2011
Stabilization of Western Cell	May 17, 2011
Land-side granular fill placement in Western Cell	May 24, 2011
Land-side LLDPE placement in Western Cell	June 1, 2011
Land-side placement of Cap A material ¹	May 19, 2011
Land-side placement of Cap B/C material	June 24, 2011
Land-side placement of Cap D material	July 12, 2011

¹ On June 24, 2011, the more protective Cap B/C rock was placed in a small portion of the Western Cell in which Cap A rock was originally going to be placed to complete the work in this area.

Prepared by:

John P. Laplante /for/

David C. Keith, Project Coordinator

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
11/1/2010	Draft Final Removal Action Work Plan (RAWP) for Time Critical Removal Action	11/8/2010	TCRA Work Plan Approval with Modifications	
11/1/2010	Report on Respondents' best efforts to obtain access			
		11/2/2010	Letter from B. Nann regarding access	
11/9/2010	Memorandum - Review of Geomembrane Comments			
		11/9/2010	Email from B. Nann to Axe/Inglin requesting conference call on November 15, 2010 regarding TCRA access issues	
11/11/2010	Draft Pre-construction Meeting Agenda			
11/11/2010	Final Removal Action Work Plan (RAWP) for Time Critical Removal Action			
11/12/2010	Letter to EPA regarding access			
11/15/2010	Conference call with EPA B. Nann regarding access			Conference call to discuss the technical memorandum about water access versus land access to the TCRA Site. B. Nann stated that RAWP approval occurred 11/8/2010
11/15/2010	TCRA Weekly Progress Report 001 email from J. Laplante to V. Leos and five hard copies			
11/16/2010	Marine Access memo email from D. Keith to USEPA C. Sanchez			Email to USEPA technical team regarding issues related to water-only access to the TCRA site
		11/16/2010	Email from B. Nann to Respondents regarding meeting with Sam Coleman regarding access by water	
11/17/2010	Teleconference between D. Keith and C. Sanchez and V. Leos to discuss the 11/18 technical meeting at USEPA regarding site access			
		11/17/2010	Email from B. Nann to Respondents and TxDOT regarding meeting in Dallas on access issues	
11/17/2010	Email from IP counsel to B. Nann transmitting draft TxDOT license agreement			
11/17/2010	Emails from IP and MIMC counsel to B. Nann regarding meeting with Sam Coleman regarding access			Meeting with Sam Coleman, USEPA Superfund Division Director, to discuss access issues. Meeting took place 11/18/2010.
11/18/2010	Submittal of financial assurance by MIMC to cover revised TCRA cost estimate			
11/22/2010	TCRA Weekly Progress Report 002 email from J. Laplante to V. Leos and 5 hard copies			
11/22/2010	Financial assurance submission by IP with respect to the revised TCRA financial assurance amount			
11/23/2010	Submitted Notice of Start of Construction letter to USEPA			
11/23/2010	Prepared and submitted Request for State Historic Preservation Officer Consultation Form and supplemental information to Mark Wolfe, State Historic Preservation Officer			
11/29/2010	TCRA Weekly Progress Report 003 email from W. Mears to V. Leos and 5 hard copies			
11/30/2010	Submitted Request for Section 401 of the CWA Consultation Review to S. Reilly of TCEQ, with copy to V. Leos			
11/30/2010	Preliminary (unvalidated) Big Star property chemistry data submitted to V. Leos by D. Keith via email			
11/30/2010			Email from V. Leos of USEPA regarding status of preliminary data from Big Star soil sampling	
11/30/2010			Email from B. Nann of USEPA to Respondents' counsel regarding the status of the Big Star sampling results	
11/30/2010	Submitted proposed road license agreement with TxDOT, signed by Respondents' counsel, to B. Nann of USEPA			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
11/30/2010	Submitted letter to EPA describing Respondents' "best efforts" to obtain access from Big Star and TxDOT and requesting an extension of time to obtain access	12/3/2010		
12/1/2010	Email from MIMC's counsel on behalf of Respondents to B. Nann urging USEPA's quick turnaround on analysis of Big Star soil sample results			
12/1/2010	Email to V. Leos from Project Coordinator updating Big Star soil sampling data			
12/2/2010			Email from B. Nann to Respondents' counsel regarding status of USEPA's analysis of Big Star's sample results and scheduling of conference call to discuss access issues	
12/2/2010	Email from IP Counsel on behalf of Respondents' to B. Nann and S. Coleman regarding obstacles to obtaining access from Big Star and TxDOT	12/3/2010		
12/3/2010			Email from B. Nann to Respondents' counsel and S. Coleman responding to Respondents' December 2, 2010 email regarding obstacles to obtaining access	
12/3/2010	Email from IP counsel on behalf of Respondents' to B. Nann and S. Coleman responding to EPA's December 3, 2010 email regarding access issues			
12/3/2010			Letter from USEPA responding to Respondents' November 30, 2010 letter regarding best efforts, denying extension of time to obtain access	
12/6/2010	TCRA Weekly Progress Report 004 email from J. Laplante to V. Leos and five hard copies			
		12/6/2010	Email from B. Nann to Respondents' counsel regarding TxDOT and Big Star access issues and status of Big Star as PRP	
12/6/2010	Email from IP counsel to B. Nann on behalf of Respondents' regarding van der Horst Site access agreement	12/6/2010	Email from B. Nann to Respondents' counsel regarding van der Horst access agreement	
12/6/2010	Email from IP counsel to USEPA counsel handling van der Horst site regarding access agreement			
12/6/2010	Email from B. Nann to Respondents' counsel regarding scheduling of conference call on access issues			Conference call between Respondents' counsel and USEPA regarding TxDOT access takes place on December 7, 2010
12/6/2010	Email from IP counsel on behalf of Respondents' to B. Nann regarding proposed Big Star lease terms			
12/6/2010	Email from IP counsel on behalf of Respondents' to B. Nann regarding signed access agreement with Big Star for installation of Phase II fencing			
		12/7/2010	Email from B. Nann stating USEPA's approval of Big Star property as a laydown area	
12/7/2010	Email to B. Nann from MIMC counsel on behalf of Respondents' regarding scheduling of conference call with USEPA and Big Star regarding lease			
		12/7/2010	Email from B. Nann to Respondents' counsel regarding her call to Big Star attorney	
		12/7/2010	Email from B. Nann regarding status of proposed TxDOT access agreement language	
12/7/2010	Emails to B. Nann from IP counsel on behalf of Respondents' regarding proposed TxDOT license agreement			
12/7/2010	Email from IP counsel on behalf of Respondents' to B. Nann regarding status of her conversation with Big Star counsel			
		12/8/2010	Email from B. Nann to Respondents' counsel regarding TxDOT and Big Star access status	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
12/8/2010	Email to B. Nann from IP counsel on behalf of Respondents' regarding TxDOT and Big Star access issues			
12/8/2010	Email to Big Star counsel and B. Nann from IP counsel on behalf of Respondents' regarding status of lease			
		12/8/2010	Email from USEPA counsel for van der Horst site regarding site access agreement with TxDOT	
12/8/2010	Email from IP counsel to USEPA counsel for van der Horst site regarding access agreement with TxDOT			
12/9/2010	Email from A. Shafer (MIMC) to V. Leos and S. Tzhone requesting guidance regarding sign size			
12/9/2010			Email from USEPA V. Leos with a copy of USEPA Pollution Report (POLREP) for the TCRA	
12/10/2010	Email to B. Nann from MIMC counsel on behalf of Respondents' regarding status of TxDOT and Big Star access issues			
12/10/2010	Email to B. Nann from IP counsel on behalf of Respondents' asking if B. Nann would schedule a conference call between Big Star, USEPA, and Respondents' counsel			
12/10/2010	Email to B. Nann from MIMC counsel on behalf of Respondents regarding Big Star Status as a PRP			
12/13/2010	TCRA Weekly Progress Report 005 email from J. Laplante to V. Leos and five hard copies			
12/13/2010	Email to B. Nann from IP counsel on behalf of Respondents regarding status of Big Star and TxDOT access issues			
12/15/2010	Email to B. Nann from MIMC counsel on behalf of Respondents regarding Big Star's position on lease	12/16/2010	Email from B. Nann regarding Big Star's demand for a release of all claims	
12/17/2010	Email to B. Nann from IP counsel on behalf of Respondents regarding Big Star's position on access and requesting EPA's assistance			
12/17/2010	Email to B. Nann from IP counsel on behalf of Respondents asking for conference call to discuss Big Star's demand for a release as a condition of access			
12/20/2010	TCRA Weekly Progress Report 006 email from J. Laplante to V. Leos and five hard copies			
12/21/2010	Email to B. Nann from IP counsel on behalf of Respondents regarding latest demand for full release from Big Star counsel and requesting opportunity to discuss same			
		12/23/2010	Letter from USEPA V. Leos to Respondents regarding TxDOT access	
12/27/2010	TCRA Weekly Progress Report 007 email from J. Laplante to V. Leos and five hard copies			
		12/27/2010	Email to Respondents' counsel from B. Nann of USEPA forwarding copy of EPA's 12/23/2010 correspondence (letter was not received by Respondents until it was forwarded by USEPA's counsel on December 27 and original sent by mail was not received until December 30, 2010)	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
		12/30/2010	Letter from USEPA V. Leos to Respondents in regarding TxDOT access, as follow-up to USEPA letter dated 12/23/2010	
12/30/2010	Letter to V. Leos of USEPA from MIMC counsel on behalf of Respondents in response to USEPA's letters dated 12/23/2010 and 12/30/2010 and initial force majeure notice			
1/3/2011	TCRA Weekly Progress Report 008 email from J. Laplante to V. Leos and five hard copies			
1/4/2011	Email to USEPA from D. Shafer of MIMC regarding delivery of TCRA financial assurance instruments to EPA on 11/19/2010			
1/4/2011	Letter to V. Leos of USEPA from MIMC counsel regarding force majeure event			
1/4/2011	Letter to V. Leos of USEPA from IP counsel joining in MIMC's letter dated 1/4/2011 regarding force majeure event			
1/4/2011	Memorandum to V. Leos of USEPA on the Evaluation of the Potential Change in Water Surface Elevation Due to the Placement of the Capping Remedy			
		1/4/2011	Letter to MIMC from V. Leos of USEPA regarding financial assurance	
1/5/2011	Letter to EPA from IP counsel on behalf of Respondents regarding access issues and notice of force majeure			
		Undated	Letter to Respondents' Project Coordinator from V. Leos regarding USEPA's site inspection of December 8, 2010 and upcoming scheduled work activities. The letter was received on 1/6/2011.	
		1/6/2011	Email to D. Shafer of MIMC from B. Werner of USEPA regarding need for duplicates of TCRA financial assurance instruments	
1/6/2011	Email from D. Shafer of MIMC on behalf of Respondents regarding Site signs and buoys and intent to inspect fencing and signs on 1/7/2011			
		1/7/2011	Email from V. Leos of USEPA stating that representatives from Harris County and TCEQ and himself would be visiting the Site on 1/7/2011	
1/10/2011	TCRA Weekly Progress Report 009 email from J. Laplante to V. Leos and five hard copies			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
1/12/2011	Email to B. Nann of USEPA from MIMC's counsel on behalf of Respondents regarding TxDOT and Big Star access issues and Big Star's prospective status as a PRP	1/13/2011	Email from B. Nann of USEPA to Respondents' counsel (in response to 1/12/2011 email from MIMC's counsel) regarding TxDOT negotiations, alternative laydown area, and Big Star's status as PRP	
1/13/2011	Email from IP's counsel to B. Nann of USEPA responding to her 1/13/2011 email regarding TxDOT access negotiations	1/14/2011	Email from B. Nann of USEPA to Respondents' counsel responding to 1/13/2011 email from IP's counsel regarding TxDOT access negotiations	
		1/13/2011	Email from B. Nann of USEPA to Respondents' counsel (responding to 1/12/2011 email from MIMC's counsel) addressing "ability to pay" issue for Big Star	
		1/14/2011	Email from B. Nann of USEPA to Respondents' counsel transmitting USEPA letter regarding Notice of Violation	
1/17/2011	TCRA Weekly Progress Report 010 email from J. Laplante to V. Leos and five hard copies			
		1/19/2011	Email from B. Nann of USEPA regarding need to coordinate with USEPA regarding additional plans on TxDOT right-of-way	
1/19/2011	Email from MIMC counsel on behalf of Respondents to B. Nann of USEPA responding to her email of 1/19/2011 regarding additional plans for TxDOT right-of-way			
1/19/2011	Email from Respondents' Project Coordinator to USEPA and Respondents' counsel regarding her telephone conference with V. Leos of USEPA regarding proposed plans for the TxDOT right-of-way and intent to submit amendment to §404(b)(1) documentation.			
		1/21/2011	Email from B. Nann of USEPA to Respondents' counsel forwarding USEPA's 1/21/2011 NOV letter.	
1/24/2011	TCRA Weekly Progress Report 011 email from J. Laplante to V. Leos and five hard copies.			
		1/24/2011	Notice of Violation letter from USEPA regarding non-compliance with the TCRA AOC	
		1/24/2011	Email from B. Nann of USEPA to Respondents' counsel forwarding USEPA's 1/24/11 NOV letter.	
		1/24/2011	Email from V. Leos of USEPA to Respondents' Project Coordinator regarding need to coordinate all communications through B. Nann of USEPA.	
1/25/2011	Email from Respondents' Project Coordinator to V. Leos and B. Nann of USEPA regarding resolution of TxDOT access issue and desire to meet with USEPA regarding project schedule.			
1/26/2011	Follow-up email from Respondents' Project Coordinator to V. Leos and B. Nann of USEPA regarding desire to meet with USEPA to discuss project schedule.	1/26/2011	Email from B. Nann of USEPA stating that V. Leos would respond to the email of Respondents' Project Coordinator when he returns to his office.	
		1/27/2011	Email from V. Leos of USEPA to Respondents' Project Coordinator stating willingness of himself and B. Nann of USEPA to meet to discuss schedule.	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
1/27/2011	Submitted to USEPA supplemental 401, 404(b)(1) and coastal consistency determinations to reflect changed conditions related to laydown, stockpiling, and truck turnaround areas in the TxDOT right-of-way on January 27, 2011.			
1/27/2011	Letter from Respondents to CAC members regarding Site status update.			
1/27/2011	Email from Respondents' Project Coordinator to USEPA notifying USEPA of the posting of an Addendum regarding Site Access Modifications and a Cultural Resources Addendum to the FTP Site.			
		1/27/2011	Email from V. Leos of USEPA to Respondents' Project Coordinator stating that until USEPA approves modification to Site Plans, Respondents must continue to follow existing work plan.	
		1/28/2011	Email from V. Leos of USEPA clarifying his 1/27/2011 email and stating that USEPA's reviews of Respondents' revised plans do not impede Respondents' ability to continue work at Site.	
1/28/2011	Email from Respondents' Project Coordinator to USEPA regarding meeting with USEPA on 1/31/2011, including attendees and agenda.	1/28/2011	Email from V. Leos of USEPA asking that "water access/barge needed for eastern pit" be added to agenda for 1/31/11 meeting.	
1/28/2011	Email from Respondents' Project Coordinator to V. Leos of USEPA confirming addition to agenda.			
1/28/2011	Letter from MIMC's counsel on behalf of Respondents to USEPA regarding supplement to Respondents' force majeure claims.			
		1/28/2011	Email from B. Nann of USEPA to Respondents and members of CAC regarding status of Site.	
		1/28/2011	Email from B. Nann of USEPA to Respondents' counsel seeking confirmation that no attorneys would be at 1/31/2011 meeting with L. Starfield and S. Coleman of USEPA.	
1/28/2011	Email from IP counsel to B. Nann of USEPA stating his understanding that no counsel would be present at 1/31/2011 meeting.			
1/31/2011	TCRA Weekly Progress Report 012 email from J. Laplante to V. Leos and five hard copies.			
1/31/2011	Letter from D. Keith to V. Leos and B. Nann requesting review and approval of attached revised TCRA construction schedule; reiterating request for review and approval of 401/404(b)(1) documentation relating to changes in TxDOT access, and requesting clarification on future communications between Respondents and USEPA.			
1/31/2011	Email from MIMC counsel to B. Nann of USEPA regarding planned attendees for 1/31/2011 meeting with L. Starfield, et al. of USEPA.			
1/31/2011	Email from MIMC counsel to B. Nann of USEPA regarding lack of attendance of legal counsel at USEPA meeting regarding TCRA schedule.	1/31/2011	Emails from B. Nann of USEPA regarding 1/31/2011 meeting regarding TCRA schedule and attendance of legal counsel	

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
2/1/2011	USA Environment submittals 1, 2, and 3 (geotextiles and geomembrane) transmitted via email from J. Laplante to V. Leos and B. Nann.			
2/2/2011	USA Environment submittals 4 and 5 (CHASP and geotextile) transmitted via email from J. Laplante to V. Leos and B. Nann.			
2/3/2011	USA Environment submittals 6, 7, 8 and 9 (partial stone chemistry results; Armor Cap C and D gradation curves, list of subcontractors) transmitted via 2 emails from J. Laplante to V. Leos and B. Nann.			
2/4/2011	USA Environment submittals 10 and 11 (CWP, EPP, SWPPP) transmitted via email from J. Laplante to V. Leos and B. Nann.			
2/4/2011	Revised RAWP document transmitted via email from J. Laplante to V. Leos and B. Nann for review.			
2/7/2011	TCRA Weekly Progress Report 013 email from J. Laplante to V. Leos and five hard copies.			
2/8/2011	Copy of Market Street and LaBarge Site Lease Agreements sent via email and hard copy from J. Laplante to V. Leos and B. Nann.			
2/8/2011	Notification of TCRA subcontractors letter sent by email and hard copy from J. Laplante to V. Leos and B. Nann.			
		2/10/2011	Letter from USEPA V. Leos to D. Keith requesting that TCRA Weekly Updates include a copy of the approved TCRA Schedule instead of the proposed revised TCRA schedule.	
		2/10/2011	Letter from USEPA V. Leos to D. Keith approving Addendum Regarding Site Access Modifications, subject to additional clarifying text proposed by USEPA to be included in the Addendum.	
		2/10/2011	Letter from USEPA V. Leos to D. Keith requesting specific additional detail be provided in the proposed revised TCRA schedule.	
2/10/2011	Email to V. Leos of USEPA from D. Shafer of MIMC, on behalf of Respondents, regarding proposed Administration Site signs.	2/11/2011	Email from V. Leos of USEPA to Respondents approving Administration Site signs.	
2/11/2011	Minutes from February 4, 2011 USEPA Weekly Update teleconference sent via email from J. Laplante to V. Leos and B. Nann.			
2/14/2011	TCRA Weekly Progress Report 014 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
2/14/2011	Letter from MIMC counsel, on behalf of Respondents, to USEPA regarding notice of dispute relative to USEPA's January 14, 2011, Notice of Violation.	2/16/2011	Email from B. Nann of USEPA to Respondents' counsel transmitting USEPA's response to Respondents' force majeure claim.	
2/14/2011	J. Laplante submitted TCRA Detailed Schedule to V. Leos and B. Nann.			
2/15/2011	J. Laplante submitted to V. Leos and B. Nann information on Exclusion Zone and Restricted Zone as developed by Respondents' contractor USA Environment.			
		2/16/2011	Email from B. Nann of USEPA to Respondents' counsel regarding Respondents' notice of dispute relative to January 14, 2011, Notice of Violation.	

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
2/18/2011	J. Laplante submitted to V. Leos and B. Nann contact information for the Channelview Volunteer Fire Department via email.			
2/18/2011	J. Laplante submitted to V. Leos and B. Nann a draft Emergency Contingency Plan, as requested by USEPA, via email.			
2/22/2011	TCRA Weekly Progress Report 015 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
2/22/2011	Submittal via hand delivery of Respondents' Notice of Dispute relative to the January 21, 2011 NOV and the January 24, 2011 NOV.			
2/23/2011	Clarification of RAWP and Schedule Edits email from J. Laplante to V. Leos and B. Nann and five hard copies.	3/3/2011	Letter from V. Leos approving changes to Removal Action Work Plan, but not approving revised construction schedule	USEPA requested that Respondents schedule a meeting immediately if original schedule completion date of September 2, 2011 cannot be maintained
2/23/2011	USA Environment Submittal 10 - Approved Contractor Work Plan submittal email from J. Laplante to V. Leos and B. Nann and five hard copies.			
2/24/2011	Updated Analyte List email from J. Laplante to V. Leos and B. Nann.			
2/28/2011	TCRA Weekly Progress Report 016 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
3/1/2011	USA Environment Submittals 6a, 12, 13a, and 14 - Approved natural stone and processed concrete aggregate chemistry results, Armor Cap B/C gradation, and Contractor Site Security Plan submittals transmitted via email and hard copy from J. Laplante to V. Leos and B. Nann.			
		3/3/2011	Letter from USEPA V. Leos providing update on status of NOVs.	
		3/3/2011	Notice of Violation letter from USEPA regarding non-compliance with the TCRA AOC.	
		3/3/2011	Letter from V. Leos of USEPA to Respondents' Project Coordinator regarding Respondents' request to change Removal Action Work Plan and Work Schedule.	
3/3/2011	Notification of Proposed Non-Hazardous Landfill letter from J. Laplante to V. Leos.	3/4/2011	Approval of Respondent's selected Subtitle D Landfill sent via email from V. Leos to J. Laplante.	
3/7/2011	TCRA Weekly Progress Report 017 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
3/10/2011	Submittals 17 and 18 - Approved Armor Cap A gradation results, and LLDPE liner test results submittals transmitted via email and hard copy from J. Laplante to V. Leos and B. Nann.			
		3/11/2011	Email from B. Nann of USEPA to Respondents' counsel transmitting USEPA's response to Respondents' Notice of Dispute dated February 14, 2011.	
3/14/2011	TCRA Weekly Progress Report 018 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
3/17/2011	Revised Emergency Contingency Plan (ECP) sent from J. Laplante to V. Leos and B. Nann via email and hard copy.			
3/18/2011	Updated Notification of TCRA Subcontractors sent from J. Laplante to V. Leos and B. Nann via email and hard copy.			
3/18/2011	Submittal via hand delivery of Respondents' Notice of Dispute relative to USEPA's February 16, 2011, rejection of Respondents' force majeure claim.			

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
3/21/2011	TCRA Weekly Progress Report 019 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
3/28/2011	TCRA Weekly Progress Report 020 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		3/28/2011	Letter from USEPA V. Leos to D. Keith requesting revision of weekly reports 017, 018, and 019 to remove the proposed revised schedule from these reports, and to cease inclusion of the proposed revised schedule in future weekly reports.	
4/4/2011	TCRA Weekly Progress Report 021 and amended Progress Reports No. 017, 018, and 019 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		4/8/2011	Letter from USEPA V. Leos to D. Keith requesting a formal response to concerns regarding displacement of waste sludge that has been observed during cap construction activities.	
4/11/2011	TCRA Weekly Progress Report 022 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
4/14/2011	Submitted via email from J. Laplante to V. Leos and B. Nann approved contractor Submittals 19 and 20 and Cap Construction Progress Map to V. Leos and B. Nann and five hard copies.			
4/15/2011	Letter from D. Keith to V. Leos on behalf of Respondents as formal response to USEPA concerns about displacement of waste sludge observed during construction activities.			
4/15/2011	Submitted via email from J. Laplante to V. Leos and B. Nann copy of the Emergency Contingency Plan Marshalling Area figures for the SJRWP TCRA to V. Leos and B. Nann and five hard copies.			
4/18/2011	TCRA Weekly Progress Report 023 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
4/22/2011	Letter from J. Laplante to V. Leos requesting EPA review and approval of additional Subtitle D landfill for disposal of debris generated as part of TCRA construction activities sent via e-mail and 5 hard copies.	4/26/2011	Approval of Respondent's additional Subtitle D Landfill sent via email from V. Leos to J. Laplante.	
4/25/2011	TCRA Weekly Progress Report 024 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
5/2/2011	TCRA Weekly Progress Report 025 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
5/2/2011	Supplemental Work Plan for West Cell Access sent via email from J. Laplante to V. Leos and B. Nann			
5/3/2011	DRAFT Weather Day schedule sent via email from J. Laplante to V. Leos.			
5/5/2011	Submitted via email from J. Laplante to V. Leos and B. Nann approved contractor Submittals 21 and 22 covering additional chemistry testing of import aggregates.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
5/9/2011	TCRA Weekly Progress Report 026 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
5/16/2011	TCRA Weekly Progress Report 027 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
5/23/2011	TCRA Weekly Progress Report 028 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
5/31/2011	TCRA Weekly Progress Report 029 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
6/6/2011	TCRA Weekly Progress Report 030 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
6/13/2011	TCRA Weekly Progress Report 031 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
6/16/2011	Provided USEPA-requested electronic survey information to V. Leos via FTP.			
6/20/2011	TCRA Weekly Progress Report 032 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
6/27/2011	TCRA Weekly Progress Report 033 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
7/5/2011	TCRA Weekly Progress Report 034 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
7/7/2011	Provided USEPA-requested electronic copy of the latest probing map to V. Leos from J. Laplante.			
7/11/2011	TCRA Weekly Progress Report 035 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
7/18/2011	TCRA Weekly Progress Report 036 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
7/25/2011	TCRA Weekly Progress Report 037 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
8/1/2011	TCRA Weekly Progress Report 038 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
8/2/2011	Email from R. Brown to V. Leos draft Operations, Monitoring, and Maintenance (OMM) Plan.			
		8/2/2011	Email from A. Foster to Respondents' counsel transmitting draft letters designating Respondents as USEPA's representatives for Big Star access.	
		8/3/2011	Email from A. Foster to Respondents' counsel transmitting copy of letter from USEPA to San Jacinto River Fleet regarding its activities at the Site, expressing intent to pursue access from Big Star/San Jacinto River Fleet, and requesting summary of Respondents' problems in obtaining access from Big Star.	
		8/3/2011	Email from A. Foster to Respondents' counsel regarding fact sheet associated with residential sampling.	
8/8/2011	TCRA Weekly Progress Report 039 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		8/10/2011	Email from A. Foster to Respondents' counsel regarding revised letter of designation.	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
		8/11/2011	Noncompliance Letter from Valmichael Leos dated August 5, 2011 was received and signed for on August 11, 2011.	
8/15/2011	TCRA Weekly Progress Report 040 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
8/22/2011	TCRA Weekly Progress Report 041 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
8/29/2011	TCRA Weekly Progress Report 042 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
9/2/2011	Submitted DRAFT Removal Action Completion Report via email and FTP from D. Keith to V. Leos.			
9/6/2011	TCRA Weekly Progress Report 043 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
9/9/2011	Submitted to USEPA a notice of dispute relative to USEPA's August 5, 2011 notice of noncompliance received by Respondent's Project Coordinator on August 11, 2011.			
9/9/2011	Submitted to USEPA a detailed response to USEPA's February 16, 2011 denial of Respondents' force majeure claims under the AOC.			
9/12/2011	TCRA Weekly Progress Report 044 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
9/19/2011	TCRA Weekly Progress Report 045 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		9/21/2011	Email from Barbara Nann regarding access to the Big Star property.	
9/26/2011	TCRA Weekly Progress Report 046 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
9/26/2011	Email from MIMC counsel to Jessica Hernandez of USEPA regarding USEPA's request to obtain an access agreement with San Jacinto River Fleet.	9/28/2011	Email from Jessica Hernandez of USEPA to MIMC counsel regarding documentation of access to western waste pit at Site and extension of time of obtain access agreement from San Jacinto River Fleet.	
9/30/2011	Email from MIMC counsel to USEPA counsel forwarding copy of survey of remaining Big Star property and current San Jacinto River Fleet property in response to USEPA's email of September 28, 2011.	9/30/2011	Email from USEPA counsel Barbara Nann to Respondent's counsel responding to MIMC's counsel's email of September 30, 2011.	
10/3/2011	TCRA Weekly Progress Report 047 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
10/4/2011	Email from MIMC counsel to USEPA counsel responding to September 30, 2011; email from B. Nann of USEPA regarding property survey issue.			
10/5/2011	Email from IP counsel to USEPA counsel joining in MIMC counsel's emails of September 30, 2011, and October 4, 2011, and further addressing access issues under the AOC and UAO.			
		10/6/2011	Email from J. Hernandez of USEPA to Respondents' counsel regarding USEPA's meeting with San Jacinto River Fleet (SJRF) on October 6, 2011, and need for Respondents to continue working to obtain access agreement with SJRF.	

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
10/7/2011	Email from MIMC counsel to J. Hernandez of USEPA responding to J. Hernandez' email of October 6, 2011.			
10/10/2011	TCRA Weekly Progress Report 048 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		10/12/2011	Email from V. Leos regarding written comments on the Draft Removal Action Completion Report (RACR).	
10/13/2011	Email from MIMC counsel to B. Darnell of San Jacinto River Fleet (SJRF), with copy to J. Hernandez of USEPA, requesting information on the access requirements for the restricted areas of the SJRF property.			
10/21/2011	TCRA Weekly Progress Report 049 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
10/24/2011	TCRA Weekly Progress Report 050 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
10/25/2011	Memorandum sent to USEPA via email from D. Keith to V. Leos and G. Miller reporting security fence breach observed on October 24, 2011. Repairs to fence were completed on October 26, 2011.			
10/27/2011	Email from D. Keith to USEPA V. Leos and G. Miller providing photo documentation of completion of the perimeter fence repairs.	10/27/2011	Response from USEPA V. Leos acknowledging receipt of photo documentation.	
10/31/2011	TCRA Weekly Progress Report 051 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
10/31/2011	Email from MIMC counsel (on behalf of Respondents) to San Jacinto River Fleet and USEPA responding to SJRF's email dated October 14, 2011, regarding conditions for access to restricted areas of SJRF property for purposes of potential AOC and UAO activities.			
11/7/2011	TCRA Weekly Progress Report 052 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
11/14/2011	TCRA Weekly Progress Report 053 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
11/21/2011	TCRA Weekly Progress Report 054 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
11/22/2011	Submitted revised draft final Removal Action Completion Report (RACR) to the USEPA from D. Keith to V. Leos by email, hard copy, and FTP site.			
11/23/2011	Email from MIMC counsel (on behalf of Respondents) to San Jacinto River Fleet (SJRF) and USEPA regarding status of SJRFs consideration of Respondents' October 31, 2011 email regarding access to SJRFs property.			
11/28/2011	TCRA Weekly Progress Report 055 email from J. Laplante to V. Leos and B. Nann and five hard copies.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
		11/29/2011	Email from J. Hernandez of USEPA to Respondent's counsel regarding SJRF's operations in the vicinity of the Site and SJRF's draft sampling and monitoring plan.	
12/1/2011	Email from D. Keith to USEPA V. Leos and G. Miller providing the schedule for the implementation of the operations, monitoring, and maintenance plan (OMMP) for the TCRA signs, fencing, and armored cap.			OMMP implementation will begin in January 2012, assuming the Removal Action Completion Report and associated OMMP plan are approved beforehand.
12/5/2011	TCRA Weekly Progress Report 056 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
12/12/2011	TCRA Weekly Progress Report 057 email from J. Laplante to V. Leos and B. Nann and five hard copies, including attachment providing written notification to USEPA of fence breach observed on December 8, 2011.			
12/19/2011	TCRA Weekly Progress Report 058 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
12/27/2011	TCRA Weekly Progress Report 059 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
12/27/2011	Email from MIMC counsel (on behalf of Respondents) to San Jacinto River Fleet (SJRF) and USEPA regarding status of SJRFs consideration of Respondents' October 31, 2011 email regarding access to SJRFs property.			
		12/27/2011	Email from SJRF to Respondents' counsel and USEPA in response to Respondents' emails of November 23, 2011, and December 27, 2011 regarding access to SJRF's property.	
1/3/2012	TCRA Weekly Progress Report 060 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
		1/3/2012	Email from USEPA V. Leos to D. Keith subject and attachment "Edits for Revised Final Construction Completion Report - SJRWP".	
1/9/2012	TCRA Weekly Progress Report 061 email from J. Laplante to V. Leos and B. Nann and five hard copies.			
1/18/2012	Email from D. Keith to V. Leos acknowledging USEPA agreement to begin monthly TCRA progress reporting.	1/18/2012	Email from V. Leos agreeing that weekly summary report are no longer needed and to move to monthly and revisit this later after the first cap inspection.	
1/27/2012	Email from W. Mears to V. Leos providing update on first TCRA OMMP monitoring event progress.			
1/31/2012	Email from W. Mears to V. Leos providing update on first TCRA OMMP monitoring event progress.			
		2/9/2012	Email from J. Hernandez to Respondents' counsel forwarding draft pre-construction baseline site assessment work plan for San Jacinto River Fleet project ("SJRF Draft SAP").	
		2/14/2012	Email from J. Hernandez to Respondents' counsel forwarding copy of USEPA letter to San Jacinto River Fleet dated 12/1/2012.	
		2/15/2012	Email from J. Hernandez to Respondents' counsel regarding deadline for comments on the SJRF Draft SAP.	
2/15/2012	TCRA Monthly Progress Report 001 email from J. Laplante to V. Leos and five hard copies.			
2/21/2012	Submitted TCRA Quarterly Inspection Report - January 2012 Inspection to USEPA.			
3/8/2012	Submitted correspondence to J. Hernandez regarding SJRF operations and comments on SJRF Draft SAP.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
3/9/2012	Submitted Revised Draft Final Removal Action Completion Report (RACR), including responses to USEPA's comments on the Draft Final RACR.			
3/15/2012	TCRA Monthly Progress Report 002 email from J. Laplante to V. Leos and five hard copies.			
3/30/2012	Letter from International Paper to USEPA Region 6 Administrator regarding financial assurance.			
4/16/2012	TCRA Monthly Progress Report 003 email from J. Laplante to V. Leos and five hard copies.			
5/1/2012	Email response from Respondent's counsel to USEPA's J. Hernandez acknowledging USEPA's status update on the SJRF Draft SAP review.	5/1/2012	Email from J. Hernandez to Respondents' counsel regarding SJRF Draft SAP still currently under USEPA review.	
5/15/2012	TCRA Monthly Progress Report 004 email from J. Laplante to V. Leos and five hard copies.			
		5/16/2012	Emails from J. Hernandez to Respondents' counsel providing comments from NOAA, TCEQ, and the Harris County Pollution Control Services Department to the SJRF Draft SAP.	
5/17/2012	Submitted TCRA Quarterly Inspection Report - April 2012 Inspection to USEPA.			
		6/12/2012	Received copy of 6/12/2012 correspondence from USEPA to SJRF providing USEPA's comments to the SJRF Draft SAP.	
6/15/2012	TCRA Monthly Progress Report 005 email from J. Laplante to V. Leos and five hard copies.			
7/16/2012	TCRA Monthly Progress Report 006 email from J. Laplante to V. Leos and five hard copies.			
7/23/2012	Submitted written notification to USEPA regarding the results of the inspection of the TCRA Cap conducted on July 20, 2012.			
		7/25/2012	Receipt by MIMC counsel of USEPA letter dated July 24, 2012 regarding stipulated penalties issues and invitation to meet.	
		7/26/2012	Receipt by D. Keith of USEPA's May 22, 2012 letter disapproving the draft final RACR and issuing the RACR in final form.	
7/27/2012	Submitted TCRA Cap Repair Plan to USEPA to address maintenance issues on the western berm.	7/31/2012	Received approval letter from USEPA to proceed with implementation of the TCRA Cap Repair Plan.	
		8/10/2012	Email from A. Foster to Respondents granting and extension of time to Respondents to exercise their rights associated with USEPA's disapproval of the draft final RACR and issuance of RACR in final form.	
8/15/2012	TCRA Monthly Progress Report 007 email from J. Laplante to V. Leos and five hard copies.			
		8/15/2012	Email from V. Leos to D. Keith with USEPA Revised Removal Action Completion Report (RACR) for the Time Critical Removal Action attached (pdf, without appendices).	
		8/20/2012	Received and signed for the hard copy of the letter from USEPA dated July 24, 2012 (Noncompliance with Administrative Settlement Agreement and Order on Consent for Removal Action).	
8/21/2012	Submitted Post-TCRA Quarterly Inspection Report - July 2012 Inspection.			
8/27/2012	Submitted TCRA Maintenance Completion Report.			
		8/31/2012	IP and MIMC counsel received an email from Jessica Hernandez of USEPA on August 31, 2012 confirming a 60 day extension under the AOC for the Respondents to raise any claims/disputes relative to USEPA's May 22, 2012 letter regarding the RACR. The 60 day extension runs from the date of the upcoming meeting between Respondents and USEPA.	
9/17/2012	TCRA Monthly Progress Report 008 email from J. Laplante to V. Leos and five hard copies.			
9/18/2012	Letter to V. Leos regarding TCRA Cap Repair.			
		10/10/2012	Letter from USEPA V. Leos to D. Keith transmitted via email regarding USEPA questions on the TCRA cap erosion issue.	
10/15/2012	TCRA Monthly Progress Report 009 email from J. Laplante to V. Leos and five hard copies.			

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
11/8/2012	Submitted Post-TCRA Quarterly Inspection Report - October 2012 Inspection.			
11/15/2012	TCRA Monthly Progress Report 010 email from J. Laplante to V. Leos and five hard copies.			
		12/4/2012	Email from A. Foster to Respondents granting and extension of time to Respondents to exercise their rights associated with USEPA's disapproval of the draft final RACR and issuance of RACR in final form.	
12/17/2012	TCRA Monthly Progress Report 011 email from J. Laplante to V. Leos and five hard copies.			
12/18/2012	Email from J. Laplante to V. Leos correcting date of email from A. Foster from 12/1/2012 to 12/4/2012.	12/19/2012	Email from V. Leos to J. Laplante acknowledging correction of date.	
1/2/2013	Email to USEPA on behalf of Respondents regarding comments on the Revised SJRF SAP.			
1/2/2013	Email from D. Keith to V. Leos (with letter attached) requesting a meeting to discuss USEPA questions raised during a 10-10-12 letter from USEPA to Respondents concerning the design and construction of the TCRA.			
1/8/2013	Teleconference between D. Keith and V. Leos discussing the 01-02-13 letter from the Respondents to USEPA, wherein USEPA recommended a technical meeting be held the week of 01-16-13 to discuss USEPA technical questions concerning the design and construction of the TCRA.			
1/8/2013	Email from D. Keith to V. Leos with a preliminary proposed schedule to conduct the next quarterly inspection of the TCRA.			
1/8/2013	Email from D. Keith to V. Leos providing additional update on schedule for TCRA quarterly inspection, as related to current weather conditions and changes to the proposed inspection schedule therefore.			
1/15/2013	Email from D. Keith to V. Leos regarding results of TCRA cap inspection.	1/16/2013	Email response from V. Leos to D. Keith acknowledging the notification regarding the TCRA cap inspection results.	
1/15/2013	TCRA Monthly Progress Report 012 email from J. Laplante to V. Leos and five hard copies.			
1/16/2013	Email from D. Keith to V. Leos providing additional detail on the observations made during the January 2013 TCRA cap inspection.			
1/18/2013	Email from D. Keith to V. Leos concerning findings made during additional inspection of the Eastern Cell of the TCRA.			
1/23/2013	Email notification from D. Keith to USEPA and SJRWP CAC Members to notify them about upcoming maintenance activities.			
1/23/2013	TCRA Cap Maintenance Plan sent via email from J. Laplante to V. Leos.	1/24/2013	Email response from V. Leos to J. Laplante approving the TCRA Maintenance Plan.	
		1/31/2013	Email from USEPA counsel A. Foster to D. Keith granting additional 30 day extension to Respondents to exercise rights under the AOC for dispute resolution related to May 22, 2012 letter from USEPA.	
2/4/2013	Email from W. Mears to V. Leos providing status update on maintenance activities and data collection for TCRA quarterly monitoring event.			
2/7/2013	Email from W. Mears to V. Leos providing final daily report from maintenance activities, and identifying maintenance as complete.			
2/15/2013	Submitted Post-TCRA Quarterly Inspection Report - January 2013 Inspection and the TCRA Maintenance Completion Report.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
2/15/2013	TCRA Monthly Progress Report 013 email from J. Laplante to V. Leos and five hard copies.			
		3/6/2013	Email from USEPA counsel A. Foster to D. Keith granting additional 90 day extension (for a total of 240 days) to Respondents to exercise rights under the AOC for dispute resolution related to May 22, 2012 letter from USEPA.	
3/15/2013	TCRA Monthly Progress Report 014 email from J. Laplante to V. Leos and five hard copies.			
4/5/2013	Submitted TCRA Report on Reassessment of Design and Construction.			
4/15/2013	TCRA Monthly Progress Report 015 email from J. Laplante to V. Leos and five hard copies.			
		4/25/2013	Email from V. Leos to D. Keith with a list of questions for the Respondents to address related to the TCRA design.	
		5/1/2013	Letter from V. Leos to D. Keith requesting information on the design and construction of armor cap.	
5/8/2013	Submitted Post-TCRA Inspection Report - April 2013 Inspection.			
		5/10/2013	Email from USEPA V. Leos to D. Keith providing additional follow-up questions to USEPA's May 1, 2013 letter providing supplemental technical questions on USEPA's assessment of the TCRA cap design.	
5/15/2013	TCRA Monthly Progress Report 016 email from J. Laplante to V. Leos and five hard copies.			
		5/30/2013	Email from USEPA on behalf of A. Foster to D. Keith providing an additional extension of 90 days to a total of 330 days for Respondents to exercise their rights for dispute regarding the RACR.	
6/14/2013	Submitted response to questions on TCRA Assessment.			
6/17/2013	TCRA Monthly Progress Report 017 email from J. Laplante to V. Leos and five hard copies.			
		6/25/2013	Communication from USEPA G. Miller to D. Keith regarding questions about vegetation growing on the armored cap.	
7/12/2013	Submitted letter to USEPA G. Miller from D. Keith regarding vegetation control and herbicide application(s).	7/26/2013	Email from USEPA G. Miller giving approval to perform vegetation control at the Site.	
7/15/2013	TCRA Monthly Progress Report 018 email from J. Laplante to V. Leos and five hard copies.			
8/12/2013	Submitted Third Quarter, 2013, TCRA Cap Inspection Report to USEPA.			
8/15/2013	TCRA Monthly Progress Report 019 email from J. Laplante to V. Leos and five hard copies.			
		8/30/2013	Email from USEPA A. Salinas to D. Keith providing an additional extension for a total of 375 days from the October 9, 2012 meeting for Respondents to exercise rights under the AOC for dispute resolution related to May 22, 2012 letter from USEPA.	
9/16/2013	TCRA Monthly Progress Report 020 email from J. Laplante to V. Leos and five hard copies.			
10/15/2013	TCRA Monthly Progress Report 021 email from J. Laplante to V. Leos and five hard copies.			
		10/17/2013	Email from USEPA A. Foster to D. Keith providing an additional extension for a total of 420 days from the October 9, 2012 meeting for Respondents to exercise rights under the AOC for dispute resolution related to May 22, 2012 letter from USEPA.	
		11/1/2013	Letter from USEPA G. Miller providing USACE comments on the Armor Cap Reassessment of Western Berm.	
		11/12/2013	Email from USEPA G. Miller to D. Keith regarding community questions on vegetation/debris observed in the San Jacinto River near the TCRA cap location.	See follow-up communication from Respondents on 11/13/2013.
11/13/2013	Email from D. Keith to USEPA G. Miller regarding observations from a site visit conducted on 11/13/2013, including photos, noting that the vegetation/debris described in USEPA's 11/12/2013 email are no longer present near the TCRA cap.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
11/15/2013	TCRA Monthly Progress Report 022 email from J. Laplante to V. Leos and five hard copies.			
		11/20/2013	Email from USEPA A. Salinas to J. Cermak instructing Respondents to include Anne Foster on all communications and remove Barbara Nann. A. Foster and A. Salinas are now are the Site attorneys.	
		11/21/2013	Email from USEPA A. Foster to D. Keith providing an additional extension from the October 9, 2012 meeting for Respondents to exercise rights under the AOC for dispute resolution related to May 22, 2012 letter from USEPA. This deadline is being extended until the date in 2014 which is ten days after EPA's issuance of the site's proposed plan for public comment.	
11/21/2013	Submitted Post-TCRA Inspection Report - October 2013 Inspection.			
11/27/2013	Submitted Armored Cap Enhancement Work Plan.			
12/16/2013	TCRA Monthly Progress Report 023 email from J. Laplante to V. Leos and five hard copies.			
		1/10/2014	Email approval of the TCRA Cap Enhancement Work Plan by V. Leos.	
1/10/2014	D. Keith email to V. Leos that Respondents will provide anticipated field schedule as soon as practical.			
1/15/2014	TCRA Monthly Progress Report 024 email from J. Laplante to V. Leos and five hard copies.			
1/15/2014	Email from J. Laplante to V. Leos relating to TCRA Enhancement construction schedule.			
		1/24/2014	Email from USEPA V. Leos to Anchor QEA (Randy Brown) requesting information on what gradation measurements, if any, were being made for the rock being used in the TCRA Enhancement Work Plan.	
1/28/2014	Email from Anchor QEA (John Laplante) to V. Leos in response to USEPA's 1/24/14 email request regarding gradation measurements.			
2/17/2014	TCRA Monthly Progress Report 025 email from J. Laplante to V. Leos and five hard copies.			
2/21/2014	Submitted TCRA Armored Cap Enhancement Completion Report via email from J. Laplante to V. Leos and five hard copies.			
2/21/2014	Submitted Post-TCRA Inspection Report - January 2014 Inspection via email from J. Laplante to V. Leos and five hard copies.			
3/17/2014	TCRA Monthly Progress Report 026 email from J. Laplante to V. Leos and five hard copies.			
4/15/2014	TCRA Monthly Progress Report 027 email from J. Laplante to V. Leos and five hard copies.			
5/15/2014	TCRA Monthly Progress Report 028 email from J. Laplante to V. Leos and five hard copies.			
5/21/2014	Submitted Post-TCRA Visual Inspection Report - April 2014 via email from J. Laplante to V. Leos and five hard copies.			
5/27/2014	Email from D. Keith to USEPA V. Leos requesting approval to complete vegetation control measures as recommended on Respondents' April 2014 Visual Inspection Report.	5/28/2014	Email from USEPA V. Leos to D. Keith and J. Laplante approving the vegetation control measures outlined in Appendix B of Respondents' July 12, 2013 Report.	
6/16/2014	TCRA Monthly Progress Report 029 email from J. Laplante to V. Leos and five hard copies.			
		6/17/2014	Notification from USEPA to Respondents that a breach in the perimeter fence was identified by Harris County on June 17, 2014.	
6/27/2014	Submitted Security Fence Breach/Repair Memorandum via email to V. Leos and five hard copies.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
7/15/2014	TCRA Monthly Progress Report 030 email from J. Laplante to V. Leos and five hard copies.			
		8/1/2014	Received USEPA's July 29, 2014 demand/bill for collection for payment of response costs under AOC.	
8/12/2014	Submitted Post-TCRA Semi-Annual Inspection Report - July 2014 Inspection.	8/12/2014	Received email from USEPA's Project Manager requesting inspection of areas shown as inaccessible in the July 2014 report submitted on 8/12/14.	
8/15/2014	TCRA Monthly Progress Report 031 email from J. Laplante to V. Leos and five hard copies.			
8/18/2014	Respondents sent letter to USEPA requesting a full cost package to document response costs incurred by USEPA under AOC.			
8/26/2014	Submitted Revised Post-TCRA Semi-Annual Inspection Report - July 2014 Inspection.			
		8/29/2014	Email from USEPA V. Leos to J. Laplante requesting removal, during next inspection visit, of vegetation growth that could potentially cover site signage.	
9/3/2014	Email from J. Laplante to V. Leos in response to USEPA email on 8/29/14 confirming that plans would be made for vegetation removal around site signage.			
9/15/2014	TCRA Monthly Progress Report 032 email from J. Laplante to V. Leos and five hard copies.			
		10/6/2014	Email from USEPA V. Leos to D. Keith requesting the Respondents consider a cap inspection following a series of storm events that passed through the Dallas/Fort Worth area.	
10/6/2014	Email from D. Keith to V. Leos regarding Respondents' plans to conduct visual inspection on 10/9/14.			
10/15/2014	TCRA Monthly Progress Report 033 email from J. Laplante to V. Leos and five hard copies.			
10/28/2014	Submitted Post-TCRA Visual Inspection Report - October 2014 via email from D. Keith to V. Leos and five hard copies.			
10/28/2014	Requested USEPA approval to conduct vegetation control via email from D. Keith to V. Leos.	10/28/2014	Email from USEPA V. Leos to D. Keith approving vegetation control measures.	
11/17/2014	TCRA Monthly Progress Report 034 email from J. Laplante to V. Leos and five hard copies.			
		12/9/2014	Respondents received an email from Gary Miller on December 9, 2014 stating the gate lock combinations for the Respondent's and TXDOT's locks on the TCRA fencing were inadvertently released by USEPA. As a result, the Respondents changed locks at all gates for the Respondents and TXDOT on December 10, 2014.	
12/15/2014	TCRA Monthly Progress Report 035 email from J. Laplante to V. Leos and five hard copies.			
1/15/2015	TCRA Monthly Progress Report 036 email from J. Laplante to V. Leos and five hard copies.			
1/30/2015	D. Keith coordinated with V. Leos by phone and email on the TCRA semi-annual inspection progress to inform him there was limited access for certain areas of the bathymetric survey because of persistent low tide conditions. Keith and Leos agreed remaining survey data should be collected when deeper water conditions occur and those areas can be safely accessed, and a complete inspection report provided when all of the data are available.	2/2/2015	Response from V. Leos to D. Keith acknowledging 1/30/15 email and notifying D. Keith and Respondents that V. Leos would like to visit the site during the next survey.	
2/16/2015	TCRA Monthly Progress Report 037 email from J. Laplante to V. Leos and five hard copies.			
2/23/2015	D. Keith notified USEPA V. Leos and G. Miller via telephone and email of the presence of derelict skiff debris on the surface of the TCRA cap.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
3/2/2015	Received USEPA's February 26, 2015 full cost package and revised demand/bill for collection for USEPA's response costs under AOC.			
3/13/2015	Submitted TCRA Debris Removal Completion Report.			
3/16/2015	TCRA Monthly Progress Report 038 email from J. Laplante to V. Leos and five hard copies.			
4/8/2015			Received email from USEPA forwarding Amended Bill for Collection for USEPA's responses costs under AOC.	
4/13/2015	D. Keith provided TCRA inspection status update to V. Leos via telephone.			
4/15/2015	TCRA Monthly Progress Report 039 email from J. Laplante to V. Leos and five hard copies.			
5/4/2015	Semi-Annual Inspection Report (January - April 2015) and April 2015 Visual Inspection Report transmitted by David Keith to V. Leos via email and hard copy.			
5/15/2015	TCRA Monthly Progress Report 040 email from J. Laplante to V. Leos and five hard copies.			
5/20/2015	Email from D. Keith to USEPA G. Miller and V. Leos providing information on precipitation and flows during May 12 and May 13 rain events, indicating flows were below the 10-year storm event; and notifying USEPA that visual inspection was conducted 5/20/15.			
5/21/2015	Email from D. Keith to USEPA V. Leos and G. Miller describing results of visual inspection conducted on 5/20/15.			
5/26/2015	Email from D. Keith to USEPA V. Leos requesting approval to complete vegetation control measures.		Response from USEPA V. Leos approving vegetation control plan sent via email to D. Keith.	
6/12/2015	Email from D. Keith to USEPA Gary Miller regarding site inspection of the same date.			
6/15/2015	TCRA Monthly Progress Report 041 email from J. Laplante to V. Leos and five hard copies.			
		6/16/2015	Received a Memo to File letter from Valmichael Leos regarding visual cap inspection.	
		6/17/2015	Email from G. Miller to D. Keith requesting a visual inspection following high water conditions in the San Jacinto River.	
		6/17/2015	Received an email from Carlos Sanchez notifying Respondents that all future correspondence with USEPA on the TCRA be submitted to Gary Miller.	
6/18/2015	Email from D. Keith to USEPA G. Miller notifying USEPA that Anchor QEA will conduct a visual inspection in response to USEPA email of 6/17/2015.			
6/19/2015	Email from D. Keith to USEPA G. Miller summarizing June 19, 2015 visual inspection, including photos.			
6/19/2015	Email from D. Keith to USEPA G. Miller requesting approval to conduct routine maintenance of the TCRA cap, including vegetation control and placement of additional 1 cy of armor rock.	6/19/2015	Approval provided from USEPA G. Miller to D. Keith via email.	
6/22/2015	Submitted letter to USEPA Gary Miller regarding geotextile.			
7/15/2015	TCRA Monthly Progress Report 042 email from J. Laplante to Gary Miller and five hard copies.			
8/14/2015	Submitted Post-TCRA Semi-Annual Inspection Report - July 2015 transmitted by John Laplante to Gary Miller via email and five hard copies.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
8/17/2015	TCRA Monthly Progress Report 043 email from J. Laplante to Gary Miller and five hard copies.			
9/4/2015	Submitted Draft Planting Plan Memorandum by email from D. Keith to G. Miller, with five hard copies.			
9/15/2015	TCRA Monthly Progress Report 044 email from J. Laplante to Gary Miller and five hard copies.			
10/8/2015	Request to modify TCRA semi-annual inspection schedule transmitted via email from D. Keith to USEPA G. Miller.	10/8/2015	Approval provided from USEPA G. Miller to D. Keith via email.	
10/15/2015	TCRA Monthly Progress Report 045 email from J. Laplante to Gary Miller and five hard copies.			
10/26/2015	Email from D. Keith to USEPA G. Miller providing estimates of the water level at the TCRA following recent heavy rains and higher flows.			
		11/3/2015	Call from USEPA G. Miller to D. Keith requesting a visual inspection of the TCRA following heavy rains and high water observed at the TCRA site, and requesting an addendum to the OMMP to address a response to potential barge strikes on the TCRA.	
11/5/2015	Email notification from D. Keith to USEPA G. Miller regarding results of post-rain visual inspection of waste pits conducted on 11/3/15.			
11/16/2015	TCRA Monthly Progress Report 046 email from J. Laplante to Gary Miller and five hard copies.			
11/18/2015	Submitted Post-TCRA Semi-Annual Inspection Report - October 2015 to Gary Miller and five hard copies.			
12/3/2015	Submitted Draft Amendment 1 Operations, Monitoring, and Maintenance Plan.			
		12/10/2015	Call from USEPA G. Miller to D. Keith regarding USEPA observations of the TCRA cap in the northwest area, which identified an area of interest where armor rock could not be confirmed by the USEPA inspection team	
		12/11/2015	Call from USEPA G. Miller to D. Keith requesting additional delineation of the area of interest, as well as sediment sampling, and requesting repair of the area as soon as possible.	
12/15/2015	TCRA Monthly Progress Report 047 email from J. Laplante to Gary Miller and five hard copies.			
		12/16/2015	Email from USEPA G. Miller to D. Keith requesting a repair plan be developed for the area of interest, including delineation of the horizontal extents, collection of sediment samples, and schedule for implementing the repair.	
		12/21/2015	Email transmittal of Letter from USEPA C. Edlund notifying Respondents regarding failure to submit work plan.	
12/21/2015	Submitted Draft Repair Work Plan to USEPA.			
		12/22/2015	Email from USEPA G. Miller to D. Keith providing comments on the Draft Repair Work Plan submitted 12/21/2015, and providing conditional approval of the Draft Work Plan pending USEPA comments being addressed.	
12/23/2015	Letter from MIMC to USEPA responding to the USEPA letter dated 12/21/2015.			
12/23/2015	Email from IP to USEPA concurring with MIMC's response to the USEPA letter dated 12/21/2015.			
12/28/2015	Submitted Revised Repair Work Plan.	12/28/2015	Received email approval of Revised Repair Work Plan from G. Miller of USEPA.	
		12/29/2015	Received certified Letter via U.S. Mail from Carl Edlund, Director of USEPA Superfund Division regarding Failure to Submit Cap Repair Plan. Letter was dated December 21, 2015.	
		12/29/2015	Email from USEPA C. Sanchez requesting information on how Emergency Response is addressed in the OMMP.	
12/29/2015	Conference call between D. Keith and USEPA C. Sanchez regarding Emergency Response plan, resulting in request by USEPA that a specific Emergency Response plan be developed to supplement the OMMP.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
1/15/2016	TCRA Monthly Progress Report 048 email from J. Laplante to USEPA G. Miller and five hard copies.			
1/15/2016	Submitted Figure showing the maintenance area from J. Laplante to USEPA G. Miller via email.			
1/15/2016	Submitted Draft Emergency Response Addendum to the OMM Plan from J. Laplante to USEPA G. Miller via email and five hard copies.			
1/26/2016	Submitted TCRA Armored Cap Enhancement Completion Report via email from J. Laplante to USEPA G. Miller and five hard copies.			
		2/9/2016	Email from USEPA G. Miller to D. Keith with a map depicting the area covered by the USEPA dive team during their inspection in December.	
2/16/2016	TCRA Monthly Progress Report 049 email from J. Laplante to USEPA G. Miller and five hard copies.			
2/16/2016	Email from D. Keith to USEPA G. Miller acknowledging USEPA's email on same date directing Respondents to modify the TCRA OMM Plan, including adding video surveillance and installation of additional warning buoys.	2/16/2016	Email from USEPA G. Miller to D. Keith directing Respondents to 1) implement an armored cap surveillance program; 2) prepare a work plan and install additional warning buoys; 3) increase the frequency of cap inspections to quarterly until further notice.	
2/16/2016	Letter describing proposed site buoy enhancements transmitted by email and hard copy from D. Keith to USEPA G. Miller.	2/23/2016	Email from USEPA G. Miller to D. Keith and J. Laplante approving the proposed buoy enhancements described in Respondents 2/16/16 letter.	
		2/29/2016	Email from USEPA G. Miller to D. Keith providing a copy of the USEPA dive team report of December 2015 TCRA inspection.	
2/29/2016	Submitted Addendum 2 to the OMM Plan, camera security system from J. Laplante to USEPA G. Miller via email and five hard copies.	3/4/2016	Email from USEPA G. Miller to D. Keith approving Addendum 2 to the OMM Plan, camera security system, subject to USEPA modifications detailed in the email.	
3/4/2016	Email from D. Keith to USEPA G. Miller notifying USEPA that five small areas of visible geotextile were seen during recent visual inspection conducted during an unusually low tide event.	3/4/2016	Email from USEPA G. Miller to D. Keith acknowledging notification about five small areas of visible geotextile and requesting Respondents proceed with delineating these areas and placing additional rock as necessary.	
3/7/2016	Email from D. Keith to USEPA G. Miller notifying USEPA that armored cap porewater samplers planned to be installed during the week of April 4, 2016.	3/7/2016	Email from USEPA G. Miller to D. Keith acknowledging notification about upcoming porewater sampler deployment, and notifying Respondents that USEPA will complete their TCRA cap inspection prior to porewater sampler installation.	
3/15/2016	TCRA Monthly Progress Report 050 email from J. Laplante to USEPA G. Miller and five hard copies.			
3/15/2016	Email from J. Laplante to USEPA G. Miller describing proposed additional probing of the TCRA armored cap in the eastern cell of the historic impoundment.	3/15/2016	Email from USEPA G. Miller to D. Keith and J. Laplante approving the proposed additional probing described in the work plan submitted on this date.	
3/21/2016	Email from D. Keith to USEPA G. Miller providing work plan for conducting additional rock placement for maintenance of the TCRA armored cap.	3/21/2016	Email from USEPA G. Miller to D. Keith approving maintenance work plan that was submitted to USEPA on this date.	
4/15/2016	TCRA Monthly Progress Report 051 email from J. Laplante to USEPA G. Miller and five hard copies.			
4/19/2016	Submitted TCRA Armored Cap Probing and Maintenance Completion Report via email from J. Laplante to USEPA G. Miller, with hard copies.	4/20/2016	Email from USEPA G. Miller to J. Laplante acknowledging J. Laplante's submittal sent on April 19, 2016.	
4/19/2016	Email from D. Keith to USEPA G. Miller responding to USEPA's questions on the same date.	4/19/2016	Email from USEPA G. Miller to D. Keith regarding community questions on float anchors, as well as, storm return interval for recent flood event.	
4/19/2016	Email from D. Keith to USEPA G. Miller recommending completing inspection and installing porewater samplers during week of May 2, 2016 in light of current river stage and flooding conditions in Houston.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
4/26/2016	Email from D. Keith to USEPA G. Miller discussing visual inspection of the TCRA cap that was completed after flood waters had receded, the status of the temporary buoys, and the condition of the new groundwater well that was installed.			
4/28/2016	Email from D. Keith to USEPA G. Miller confirming that a representative of the Respondents would be available to meet with USEPA during their requested visual inspection.	4/28/2016	Phone call from USEPA G. Miller to D. Keith discussing proposed USEPA visual inspection of the armored cap on Wednesday May 4, 2016.	
		4/29/2016	Phone call from USEPA G. Miller to D. Keith requesting a conference call between Anchor QEA, USEPA, and USACE to discuss visual observations made by Anchor QEA of the damaged cap area that was identified and repaired during December 2015.	
5/7/2016	Email from D. Keith to USEPA G. Miller notifying USEPA of a potential trespasser seen on security cameras at Site.			
5/8/2016	Email from D. Keith to USEPA G. Miller clarifying that people seen on security cameras on May 7, 2016 were sampling staff associated with the Respondents' work.	5/9/2016	Email from USEPA G. Miller to D. Keith acknowledging D. Keith's clarification sent on May 8, 2016.	
5/16/2016	TCRA Monthly Progress Report 052 email from J. Laplante to USEPA G. Miller and five hard copies.	5/17/2016	Email from USEPA G. Miller to J. Laplante acknowledging J. Laplante's submittal sent on May 16, 2016.	
5/16/2016	Email from D. Keith to USEPA G. Miller notifying USEPA about one area of interest where maintenance should be conducted, which was identified during a May 13, 2016 probing inspection.	5/17/2016	Email from USEPA G. Miller to D. Keith approving proposal to perform maintenance in area of interest identified by May 13, 2016 probing.	
5/16/2016	Email from D. Keith to USEPA G. Miller providing comparison of survey data within area of interest identified by USEPA on December 10, 2015, for use by USEPA.			
5/19/2016	Email from D. Keith to USEPA G. Miller providing probing results from May 13, 2016 probing event.			
		5/19/2016	Email from USEPA G. Miller to D. Keith requesting GPS coordinates for 2013 maintenance area and March 2016 probing locations.	
5/20/2016	Email from D. Keith to USEPA G. Miller providing GPS coordinates requested by USEPA in their May 19, 2016 email.			
		5/24/2016	Email from USEPA G. Miller to D. Keith providing USEPA Dive Team Summary Report dated April 2016, and requesting a repair plan be developed for areas identified in the USEPA Dive Team Summary Report.	
5/25/2016	Email from D. Keith to USEPA G. Miller requesting discussion on some of the items noted in the USEPA Dive Team Summary Report dated April 2016.			
5/26/2016	Submitted Post-TCRA Quarterly Inspection Report - April 2016.			
		6/2/2016	Phone call from USEPA G. Miller to D. Keith requesting a work plan for post-storm TCRA armored cap inspection and maintenance, including probing to be conducted in the submerged portion of the Western Cell and the Northwestern Area.	
6/3/2016	Email from D. Keith in response to USEPA email from G. Miller on this same date, acknowledging that Respondents would retrieve displaced buoys.	6/3/2016	Email from USEPA G. Miller to D. Keith requesting perimeter buoys, which had been displaced by recent storm, be removed from Southwest Shipyard facility.	
6/6/2016	Submitted TCRA-Armored Cap - Response to Request Regarding Dive Team Summary Report April 3-9, 2016.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
6/6/2016	Email from D. Keith to USEPA G. Miller summarizing activities conducted on Northern Impoundments on June 2, 2016.			
		6/6/2016	Email from USEPA G. Miller to D. Keith requesting visual inspection and inspection work plan for western portion of the TCRA armored cap using same procedures as previously used for the eastern portion of the TCRA armored cap. Requested plan due to USEPA on June 10, 2016.	
		6/6/2016	Email from USEPA G. Miller to D. Keith requesting a visual inspection be conducted on June 7, 2016.	
6/8/2016	Email from D. Keith to USEPA G. Miller describing observations from the USEPA-requested visual inspection conducted on June 7, 2016, and plans to address misaligned camera, removal of debris, replacement of buoys, realignment of sign, and placement of rock on top of surplus geotextile overlying the TCRA armored cap.	6/9/2016	Email from USEPA G. Miller to D. Keith approving the maintenance items described in email from D. Keith dated June 8, 2016.	
6/10/2016	Submitted Plan for Additional Cap Probing of the TCRA Armored Cap.	6/10/2016	Email from USEPA G. Miller to J. Laplante approving Plan for Additional Cap Probing that was submitted to USEPA on this date.	
6/15/2016	TCRA Monthly Progress Report 053 email from J. Laplante to USEPA G. Miller and five hard copies.			
6/15/2016	Email from D. Keith to USEPA G. Miller describing results of the AOI probing, and identifying seven areas where maintenance will be performed, as well as details on the planned maintenance.	6/15/2016	Email from USEPA G. Miller to D. Keith approving the planned maintenance described in the email from D. Keith of the same date, subject to the requirement that C-rock be used in AOI-22.	
6/21/2016	Email from D. Keith to USEPA G. Miller providing daily reports for work conducted at the Site between June 14 and June 17, 2016.			
7/14/2016	Submitted TCRA Armored Cap Probing and Maintenance Completion Report.			
7/15/2016	TCRA Monthly Progress Report 054 email from J. Laplante to USEPA G. Miller and five hard copies.			
8/9/2016	Email from D. Keith to USEPA G. Miller regarding Quarterly Inspection Report.	8/9/2016	Email from USEPA G. Miller to D. Keith approving waiting for higher tides to allow access to shallower parts of the Eastern Cell.	
8/15/2016	TCRA Monthly Progress Report 055 email from J. Laplante to USEPA G. Miller and five hard copies.			
8/24/2016	Notification to USEPA G. Miller from D. Keith that manual probing of the armored cap would be conducted in several areas of interest.			
8/25/2016	Voicemail from J. Laplante to G. Miller notifying USEPA that two small areas were identified during probing where geotextile and armor rock were present, but additional armor rock was needed to meet the TCRA design armor rock thickness, as well as the Respondents intent to place additional rock in these areas on August 26, 2016.	8/26/2016	Voicemail from G. Miller to J. Laplante requesting email notification of the findings and Respondents' intent to place additional armor rock.	
8/26/2016	Email from J. Laplante to USEPA G. Miller re-stating the information provided via voicemail on August 25, 2016.	8/26/2016	Email from G. Miller to J. Laplante approving Respondents' plan to place additional armor rock over the areas of interest described in the email from J. Laplante.	
9/15/2016	TCRA Monthly Progress Report 056 email from J. Laplante to USEPA G. Miller and five hard copies.			
9/20/2016	Submitted Post-TCRA Quarterly Inspection Report - July and August 2016.			

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
		9/28/2016	Email from USEPA A. Foster to D. Keith and G. Miller extending the time for the Respondents to exercise their rights under the Order to dispute USEPA's actions related to USEPA's May 22, 2012 letter to a date that is ten days after issuance of USEPA's final Record of Decision for the site.	
10/6/2016	Email from D. Keith to USEPA G. Miller notifying USEPA of Respondent's desire to conduct quarterly inspection starting 10/7/2016 to take advantage of high tides	10/6/2016	Email from USEPA G. Miller to D. Keith approving the plan to conduct survey as outlined in email from D. Keith.	
		10/11/2016	Call from USEPA G. Miller to D. Keith to discuss recent inspection report, and the observed scour in the river channel outside the footprint of the TCRA armored cap.	
		10/12/2016	Email from USEPA A. Foster to A. Axe and G. Miller extending the time for the Respondent's to exercise their rights under the Order to dispute USEPA's actions related to the USEPA's May 22, 2012 letter to a date that is forty-five days after issuance of USEPA's final Record of Decision for the site.	
10/17/2016	TCRA Monthly Progress Report 057 email from J. Laplante to USEPA G. Miller and five hard copies.			
		10/27/2016	Email from USEPA G. Miller to D. Keith requesting a work plan to be submitted for Channel Maintenance in the San Jacinto River adjacent to the TCRA Armored Cap.	
11/1/2016	Email from J. Laplante to G. Miller providing date of April Cap Survey.	11/1/2016	Email from USEPA G. Miller to D. Keith and J. Laplante regarding the date of April 2016 San Jacinto Cap Survey.	
11/7/2016	Submitted Work Plan for Channel Maintenance to USEPA G. Miller from J. Laplante via email and hard copy.	11/10/2016	Email from G. Miller to J. Laplante providing comments and requesting modifications to the Channel Maintenance Work Plan submitted 11/7/2016.	
11/15/2016	Email from J. Laplante to G. Miller providing Revised Channel Maintenance Work Plan.	11/16/2016	Email from G. Miller to J. Laplante and D. Keith approving the Channel Maintenance Work Plan.	
11/15/2016	TCRA Monthly Progress Report 058 email from J. Laplante to USEPA G. Miller and five hard copies.			
12/14/2016	Submitted Post-TCRA Quarterly Inspection Report - October 2016.			
12/15/2016	TCRA Monthly Progress Report 059 email from J. Laplante to USEPA G. Miller and five hard copies.			
1/17/2017	TCRA Monthly Progress Report 060 email from J. Laplante to USEPA G. Miller and five hard copies.			
1/23/2017	Email from D. Keith to G. Miller providing status report on the ongoing Channel Maintenance efforts.			
1/23/2017	Email from D. Keith to G. Miller notifying USEPA of some maintenance areas that were identified during low-tide visual inspection conducted on this same date.	1/24/2017	Email from G. Miller to D. Keith acknowledging D. Keith's 1/23/17 notification.	
1/26/2017	Email from D. Keith to G. Miller providing maintenance work plan for addressing areas identified during the January 23, 2017 visual inspection.	1/26/2017	Email from G. Miller to D. Keith approving maintenance work plan that was transmitted to USEPA on same date.	
2/2/2017	Email from J. Laplante to G. Miller notifying USEPA of an area in the eastern cell, which was identified by the recent bathymetric survey, that will be probed to confirm the presence of the required thickness of the armored cap, as well as a plan for placement of additional rock, if necessary, in the area to be probed.	2/2/2017	Email from G. Miller to J. Laplante approving plan for confirmatory probing and additional rock placement, if necessary, as described in the email from J. Laplante on the same date.	
2/9/2017	Email from D. Keith to G. Miller notifying USEPA that a visual inspection would be conducted on this same date, in response to USEPA request also made on this same date.	2/9/2017	Email from G. Miller to D. Keith requesting a visual inspection following a question filed with TCEQ from an individual about the integrity of the armored cap.	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
2/10/2017	Email from D. Keith to G. Miller regarding results of visual inspection conducted on 2/9/17, which did not identify any deficiencies in the armored cap.			
2/15/2017	TCRA Monthly Progress Report 061 email from J. Laplante to USEPA G. Miller and five hard copies.			
2/27/2017	Submitted Post-TCRA Quarterly Inspection Report - January 2017 (which included the January 2017 Probing and Maintenance Completion Report as Attachment 1).			
		3/7/2017	Received a letter by certified mail from Gary Miller dated March 2, 2017, regarding the Respondents' financial assurance responsibilities for the RI/FS and Time Critical Removal Action.	
3/10/2017	Channel Maintenance Completion Report sent via email and hard copies from J. Laplante to USEPA G. Miller.			
3/15/2017	TCRA Monthly Progress Report 062 email from J. Laplante to USEPA G. Miller and five hard copies.			
3/20/2017	Submitted updated financial assurance information on behalf of IP in response to USEPA letter dated March 2, 2017.			
3/24/2017	Submitted updated financial assurance information on behalf of MIMC in response to USEPA letter dated March 2, 2017.			
4/17/2017	TCRA Monthly Progress Report 063 email from J. Laplante to USEPA G. Miller and five hard copies.			
5/1/2017	Email from D. Keith to G. Miller describing proposed vegetation control to be conducted on Thursday and Friday, May 4 and May 5, 2017.			
5/3/2017	Email from D. Keith to G. Miller requesting approval of vegetation control measures described in May 1, 2017 email on same subject.	5/3/2017	Email from G. Miller to D. Keith approving vegetation control measures proposed in the May 1, 2017 email.	
5/12/2017	Email from D. Keith to G. Miller providing the number of signs on the armored cap and fencing that are being replaced because of weathering and fading.			
5/15/2017	TCRA Monthly Progress Report 064 email from J. Laplante to USEPA G. Miller and five hard copies.			
5/26/2017	Submitted Post-TCRA Quarterly Inspection Report - April 2017.			
6/5/2017	Email from D. Keith to USEPA G. Miller notifying USEPA that Respondents would be conducting vegetation control on the armored cap on June 7, 2017.			
6/7/2017	Email from D. Keith to USEPA G. Miller notifying USEPA that Respondents would be replacing signs on June 8 and possibly June 9, 2017.			
6/15/2017	TCRA Monthly Progress Report 065 email from J. Laplante to USEPA G. Miller and five hard copies.			
		6/16/2017	Email from USEPA G. Miller to D. Keith requesting Respondents prepare a work plan to investigate cap integrity in response to a photo supplied by the public showing a tugboat operating in the vicinity of the armored cap.	

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
6/16/2017	Email from D. Keith to G. Miller responding to USEPA inquiry made this date, notifying USEPA that Respondents would review and provide security camera video, because the tugboat appeared to be operating outside the limits of the perimeter buoys.	6/19/2017	Email from USEPA C. Sanchez acknowledging that Respondent would provide security video.	
6/20/2017	Email from D. Keith to G. Miller and C. Sanchez providing security camera video of tugboat operations on June 15, 2017, showing that the tugboat was operating outside of the perimeter buoys, away from the armored cap.	6/21/2017	Email from G. Miller to D. Keith acknowledging receipt of video and agreeing that the work plan requested by USEPA on June 16, 2017 is not necessary.	
7/17/2017	TCRA Monthly Progress Report 066 email from J. Laplante to USEPA G. Miller and five hard copies.			
7/24/2017	Email from D. Keith to USEPA G. Miller providing status update on TCRA quarterly inspection.			
8/2/2017	Email from D. Keith to USEPA G. Miller providing status update on TCRA quarterly inspection.	8/2/2017	Email from G. Miller to D. Keith acknowledging receipt of email.	
8/3/2017	Email from D. Keith to USEPA G. Miller providing status update on TCRA quarterly inspection.	8/3/2017	Email from G. Miller to D. Keith acknowledging receipt of email.	
8/9/2017	Email from D. Keith to USEPA G. Miller providing status update on TCRA quarterly inspection.	8/9/2017	Email from G. Miller to D. Keith acknowledging receipt of email.	
8/15/2017	TCRA Monthly Progress Report 067 email from J. Laplante to USEPA G. Miller and five hard copies.			
		8/23/2017	Call from USEPA G. Miller to D. Keith discussing potential need for a visual inspection of the site after Tropical Storm Harvey.	
8/24/2017	Submitted Post-TCRA Quarterly Inspection Report - July 2017.			
8/24/2017	Email from D. Keith to USEPA G. Miller informing USEPA about Respondents' plans to inspect the site, and if necessary, perform a survey following Tropical Storm Harvey.			
8/27/2017	Email from D. Keith to USEPA G. Miller providing security camera photos from site for this date.			
8/28/2017	Response from D. Keith to USEPA G. Miller's 8/28/17 email providing a link to the river gage data for the San Jacinto River at US90.	8/28/2017	Email from USEPA G. Miller to D. Keith providing information on temporary USGS river stage gage installed at I-10.	
8/29/2017	Email from D. Keith to USEPA G. Miller providing security camera photos from site for 8/28/2017.			
8/29/2017	Email from D. Keith to USEPA G. Miller providing security camera photos from site for this date.			
8/30/2017	Response from D. Keith to USEPA G. Miller's 8/30/2017 email indicating the Lake Houston dam gage was not responding, but that the US90 gage indicated a flood return interval of 500 years.	8/30/2017	Email from USEPA G. Miller requesting flow rate and return interval storm information from Lake Houston dam gage.	
9/1/2017	Photo from Houston Transtar Camera on the I-10 bridge showing the San Jacinto River and the site, sent via email from D. Keith to G. Miller.			

TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
9/1/2017	Email from D. Keith to USEPA G. Miller informing USEPA about Respondents' initial visual observations and providing photos of site conditions and discussing Respondents' intent to perform maintenance along the southern and central berms in response to flooding from Hurricane Harvey.			
9/2/2017	Email from D. Keith to G. Miller informing USEPA of Respondents' intent to perform a fence inspection either today or tomorrow.	9/2/2017	Email from G. Miller to D. Keith requesting status of the security fence and gates at the site.	
9/14/2017	Email from D. Keith to G. Miller with attached procedures for diver sampling at San Jacinto.	9/14/2017	Email from G. Miller to D. Keith approving diver sampling procedures transmitted via email from D. Keith on this same date.	
9/15/2017	TCRA Monthly Progress Report 068 email from J. Laplante to USEPA G. Miller and five hard copies.			
9/15/2017	Email from D. Keith to G. Miller with attached map showing location where surface samples were collected on September 7, 2017.	9/15/2017	Email from USEPA G. Miller to D. Keith requesting map of locations where surface samples were collected on September 7, 2017.	
9/15/2017	Email from D. Keith to G. Miller providing preliminary results from sediment and surface water sampling conducted on September 7, 2017.			
9/15/2017	Email from J. Laplante to G. Miller providing post Harvey Armored Cap Maintenance Plan.	9/15/2017	Email from USEPA G. Miller to J. Laplante approving the post Harvey Armored Cap Maintenance Plan.	
9/18/2017	Email from D. Keith to G. Miller providing preliminary results from sediment sampling conducted on September 11, 2017.			
9/22/2017	Email from D. Keith to G. Miller providing update on status of work plan for Channel Maintenance.			
9/27/2017	Email from D. Keith to G. Miller providing validated data results from September 7 and September 11 sampling events.			
9/28/2017	Email from D. Keith to G. Miller summarizing preliminary dive team sampling results for sampling conducted on September 15, 2017, and directing USEPA to a link to download these preliminary results.			
9/29/2017	Sediment Sampling and Analysis Plan Addendum submitted by J. Sampson to G. Miller.	9/29/2017	USEPA approved Sediment Sampling Plan.	
10/3/2017	Email from D. Keith to G. Miller providing validated data results from sampling conducted on September 15, 2017.			
10/5/2017	Email from J. Laplante to G. Miller providing Channel Maintenance Work Plan.	10/9/2017	Email from G. Miller to D. Keith providing comments on the Channel Maintenance work plan.	
10/6/2017	Email from J. Laplante to G. Miller responding to request for surface area of increased bed elevation outside of the footprint of the TCRA armored cap.	10/6/2017	Email and clarification from USEPA G. Miller to J. Laplante requesting the surface area of the post-Harvey survey where the elevation has increased 1 foot or more outside of the footprint of the TCRA armored cap.	
10/6/2017	Email from D. Keith to G. Miller providing post-Harvey Inspection and Maintenance Completion Report.			
10/16/2017	TCRA Monthly Progress Report 069 email from J. Laplante to USEPA G. Miller and five hard copies.			
10/18/2017	Email from J. Laplante to G. Miller submitting Revised Plan for Armor Rock Placement to USEPA G. Miller and five hard copies.	10/18/2017	Email from G. Miller to D. Keith approving the channel maintenance work plan submitted this same date.	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
10/25/2017	Email from D. Keith to G. Miller providing visual inspection results from this date, in response to USEPA request, indicating that the buoys were in place and that there were no signs of movement on the edge of the armored cap in the northwestern area.	10/25/2017	Email from G. Miller to D. Keith requesting visual inspection of buoys along the eastern edge of the TCRA armored cap, and the edge of the cap along the northwestern area.	
		10/26/2017	Email from G. Miller to D. Keith requesting electronic map data to assist USEPA in their planning of a future dive inspection.	
10/27/2017	Email from D. Keith to G. Miller discussing ongoing maintenance activities and suggesting the next quarterly inspection be conducted in January 2018.	10/27/2017	Email from G. Miller to D. Keith requesting information on the planned date of the next quarterly inspection.	
		10/31/2017	Email from G. Miller to D. Keith confirming January 2018 date for next quarterly inspection, and requesting status update on upcoming channel maintenance.	
11/1/2017	Email from D. Keith to G. Miller providing an update on the anticipated schedule to begin channel maintenance.			
11/2/2017	Email from D. Keith to G. Miller providing an update on the anticipated schedule to begin channel maintenance, and notifying USEPA of the Respondents' intent to use Bertucci Contracting Company as the contractor for channel maintenance.			
11/6/2017	Email from D. Keith to G. Miller providing a revised update on the anticipated schedule to begin channel maintenance.			
11/8/2017	Email from D. Keith to G. Miller providing a revised update on the anticipated schedule to begin channel maintenance.			
11/15/2017	TCRA Monthly Progress Report 070 email from J. Laplante to USEPA G. Miller and five hard copies.			
		11/15/2017	Request from USEPA G. Miller requesting a summary on the amount of rock used during the Hurricane Harvey response, and the amount of rock available in the stockpile for future maintenance.	
11/22/2017	Email from D. Keith to USEPA G. Miller providing status update on channel maintenance activities.			
12/1/2017	Email from D. Keith to USEPA G. Miller providing status update on channel maintenance activities.			
12/4/2017	Email from D. Keith to USEPA G. Miller requesting that USEPA clarify statements in the ROD and public comments regarding dioxin/furan concentrations in surface water.	12/5/2017	Email from USEPA G. Miller to D. Keith confirming receipt of 12/4/2017 email.	
12/11/2017	Email from D. Keith to USEPA G. Miller clarifying the amount of rock used during recent channel maintenance, and confirming maintenance work was completed on 12/4/2017.			
12/13/2017	Email from D. Keith to USEPA G. Miller providing additional details on the amount of armor rock remaining in the offsite stockpile area.			
12/15/2017	TCRA Monthly Progress Report 071 email from J. Laplante to USEPA G. Miller and five hard copies.			
1/2/2018	Email from D. Keith to G. Miller notifying USEPA of upcoming quarterly survey activities.			
1/16/2018	TCRA Monthly Progress Report 072 email from J. Laplante to USEPA G. Miller and five hard copies.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
1/30/2018	Email from D. Keith to G. Miller providing an update on the status of inspection activities, including the need for a change in tides/weather before the hydrographic survey can be completed.	1/31/2018	Email from USEPA G. Miller to D. Keith acknowledging 1/30/2018 email and requesting that the inspection be completed as conditions allow.	
2/15/2018	TCRA Monthly Progress Report 073 email from J. Laplante to USEPA G. Miller and five hard copies.			
		2/21/2018	Email from USEPA G. Miller to D. Keith requesting that TCRA signs be further secured from the wind and asking for an update on the status of the inspection surveys.	
2/23/2018	Email from D. Keith to G. Miller providing an update on the status of inspection activities indicating that the weather has still not been favorable for completing survey data collection.			
3/9/2018	Response from D. Keith to G. Miller via email indicating that the survey work was recently completed and that the report is being prepared.	3/9/2018	Email from USEPA G. Miller to D. Keith requesting a status update on the TCRA inspection survey work.	
3/13/2018	Email from D. Keith to G. Miller notifying USEPA that, based on the recent survey work, the Respondents will conduct probing of two cap areas in the north part of the eastern cell.			
3/15/2018	TCRA Monthly Progress Report 074 email from J. Laplante to USEPA G. Miller and five hard copies.			
3/15/2018	Email from D. Keith to USEPA G. Miller notifying USEPA of the need to conduct maintenance in several small areas where geotextile was visible but the design armor thickness was not present.	3/16/2018	Phone call and email from USEPA G. Miller to D. Keith approving maintenance work.	
3/19/2018	Email from D. Keith to USEPA G. Miller notifying USEPA that maintenance activities were complete.			
3/27/2018	Submitted Post-TCRA Quarterly Inspection Report - January 2018 via email and hard copy.			
3/29/2018	Submitted Post-Harvey Channel Maintenance Completion Report via email and hard copy.			
4/16/2018	TCRA Monthly Progress Report 075 email from J. Laplante to USEPA G. Miller and five hard copies.			
4/19/2018	Email from J. Laplante to G. Miller indicating Respondent's intent to conduct probing as part of the current quarterly inspection process.	4/20/2018	Email from G. Miller to J. Laplante approving proposed probing and requesting information to support USEPA dive planning.	
4/25/2018	Email from J. Laplante to G. Miller providing results of probing, which did not identify any need for cap maintenance	4/25/2018	Email response from G. Miller to J. Laplante with additional follow-up questions about the area that was identified for probing.	
4/25/2018	Email from J. Laplante to G. Miller providing responses to USEPA follow-up questions that were transmitted via email this same date.	4/25/2018	Email response from G. Miller to J. Laplante acknowledging responses to USEPA questions.	
4/27/2018	Email from D. Keith to USEPA G. Miller providing electronic files and responding to USEPA questions regarding same.	3/22/2018	Email from USEPA G. Miller to D. Keith regarding SJWP Dive Planning Meeting Follow-up.	
5/9/2018	Email from J. Laplante to G. Miller submitting Post-TCRA Quarterly Inspection Report - April 2018 via email; hard copies submitted through FedEx.	5/9/2018	Email from G. Miller to J. Laplante acknowledging receipt of Inspection Report.	
5/15/2018	TCRA Monthly Progress Report 076 email from J. Laplante to USEPA G. Miller and five hard copies.	5/17/2018	Email from G. Miller to J. Laplante acknowledging receipt of Monthly Report and requesting that USEPA Gary Baumgarten be added to the distribution list for the report.	

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
5/17/2018	Email from J. Laplante to G. Miller acknowledging that Gary Baumgarten will be added to the TCRA Monthly Report distribution list.			
5/23/2018	Email from D. Keith to G. Miller discussing Respondents' intent to support USEPA dive team by providing a boat, sample handling support, analytical laboratory coordination and data management.	5/24/2018	Email from G. Miller to D. Keith acknowledging Respondents' intent to support the dive team inspection and providing planned inspection date starting the week of 6/4/2018.	
		5/23/2018	Email from G. Miller to D. Keith expressing community concern regarding refrigerator located at SJRWP site, and requesting its removal.	
5/23/2018	Email from D. Keith to G. Miller expressing Respondents' plan to remove the refrigerator during vegetation maintenance activities.	5/23/2018	Email from G. Miller to D. Keith acknowledging Respondents' plan to remove refrigerator.	
5/29/2018	Email from D. Keith to G. Miller providing Emergency Response Work Plan as an example document that could be a model for a TCRA OMM addendum that would address Hurricane Preparation.			
6/6/2018	Email from D. Keith to G. Miller expressing Respondents' concern about USEPA dive team inspection techniques, and reiterating Respondents' desire to protect the integrity of the cap during the inspection.			
6/15/2018	TCRA Monthly Progress Report 077 email from J. Laplante to USEPA G. Miller and five hard copies.			
6/28/2018	Preliminary Dive Team data submitted by D. Keith to G. Miller via email.	6/28/2018	Email from G. Miller to D. Keith acknowledging receipt of data and requesting a discussion to review next steps.	
		6/29/2018	Email from G. Miller to D. Keith summarizing USEPA observations during their dive survey and requesting Respondents prepare a maintenance plan.	
7/2/2018	Email from D. Keith to G. Miller notifying USEPA of Respondents intent to apply additional herbicide on July 3, 2018.	7/5/2018	Email from G. Miller to D. Keith requesting Respondents proceed with additional herbicide application.	
7/6/2018	Submitted Post USEPA Dive Inspection Maintenance plan to USEPA on July 6, 2018 email from J. Laplante to G. Miller.	7/6/2018	Email from G. Miller to D. Keith approving data collection plan described in the USEPA Dive Inspection Maintenance plan submitted this same day.	
		7/9/2018	Email from G. Miller to D. Keith requesting response to technical questions on the proposed data collection described in the USEPA Dive Inspection Maintenance Plan.	
7/9/2018	Email from J. Laplante to USEPA G. Miller providing responses to technical questions submitted this same day on USEPA Dive Inspection Maintenance plan.			
7/11/2018	Email from J. Laplante to USEPA G. Miller providing Respondents' intent to proceed with land-based maintenance approach based on evaluation of data collected in accordance with the Work Plan.	7/12/2018	Email from USEPA G. Miller to D. Keith approving the Work Plan submitted on July 6, 2018 and in accordance with the July 11, 2018 email from J. Laplante.	
7/12/2018	Email from D. Keith to USEPA G. Miller providing responses to TCEQ questions on the maintenance approach.	7/12/2018	Email from USEPA G. Miller to D. Keith providing questions from TCEQ on the proposed maintenance activities.	
7/12/2018	Email from J. Laplante to USEPA G. Miller providing responses to Harris County questions on the maintenance approach.	7/12/2018	Email from G. Miller to D. Keith providing questions from Harris County on the proposed maintenance activities.	

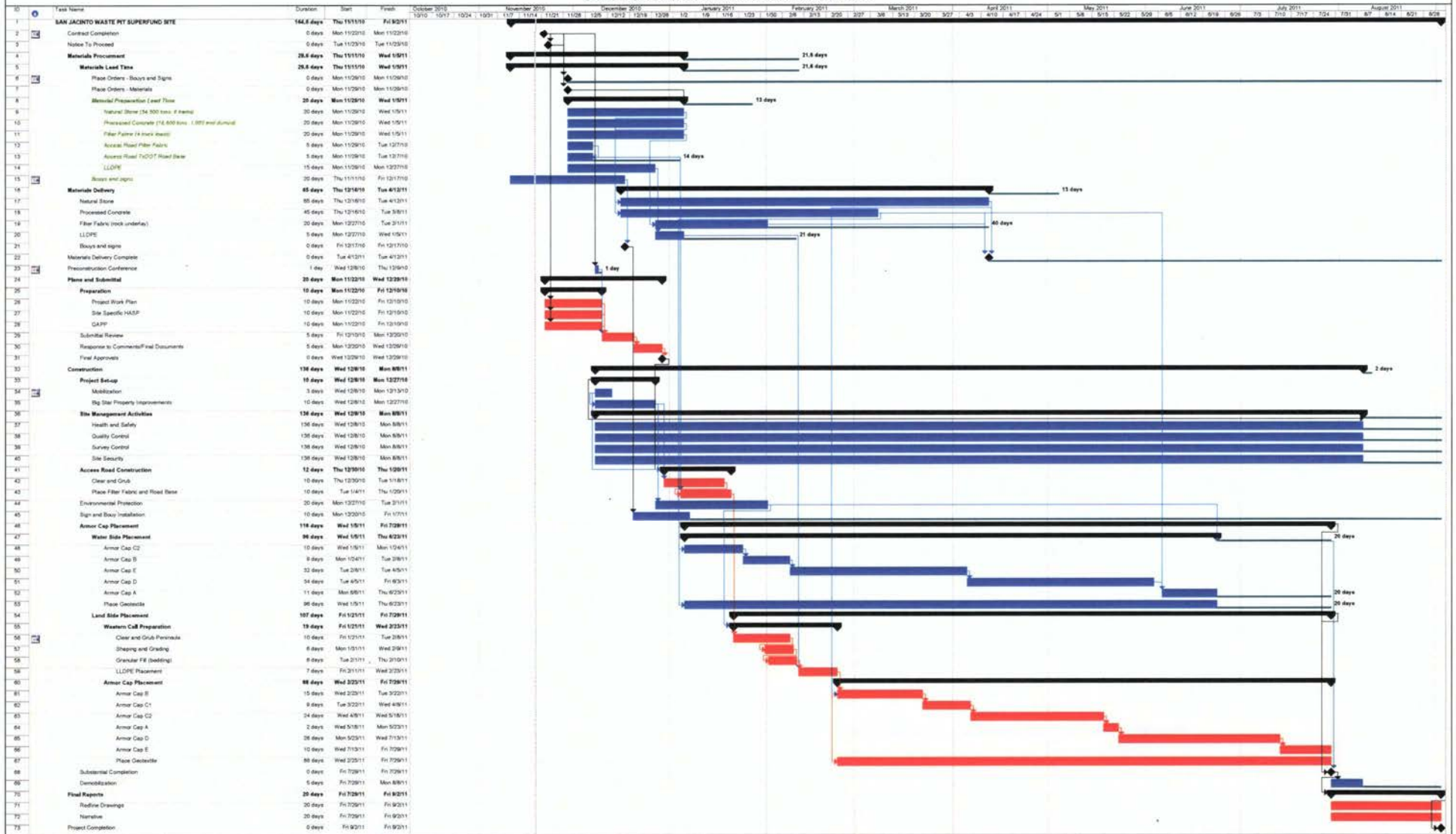
TCRA Monthly Report - Summary of Agency Communication

Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
7/12/2018	Email from D. Keith to USEPA G. Miller acknowledging USEPA's approval of the July 6, 2018 Work Plan, with Respondents' intent to mobilize for maintenance July 16, 2018, weather permitting.	7/12/2018	Email from G. Miller to D. Keith approving the work as described in the Work Plan submitted on July 6 and in accordance with the email description provided by J. Laplante to G. Miller on July 11, 2018.	
7/16/2018	TCRA Monthly Progress Report 078 email from J. Laplante to USEPA G. Miller and five hard copies.			
7/19/2018	Email from D. Keith to USEPA John Meyer regarding planned USEPA visit to Site on July 20, 2018, reminding USEPA of ongoing maintenance construction activities and confirming that USEPA would be responsible for Health and Safety of their visitors.	7/19/2018	Email from USEPA J. Meyer to D. Keith acknowledging that USEPA would be responsible for Health and Safety for their visitors during the planned site visit on July 20, 2018.	
8/10/2018	Email from J. Laplante to USEPA G. Miller and G. Baumgarten with proposed plan to install additional vents in the Western Cell of the armored cap.	8/14/2018	Email from USEPA G. Miller to J. Laplante and D. Keith providing comments from USACE on the plan to install additional vents in the Western Cell of the armored cap.	
8/15/2018	TCRA Monthly Progress Report 079 email from J. Laplante to USEPA G. Miller and five hard copies.			
8/15/2018	Email from J. Laplante to USEPA G. Miller providing a revised map for the vent installation plan in response to USACE comments transmitted by USEPA on August 14, 2018.	8/17/2018	Email from USEPA G. Miller to J. Laplante confirming revised map addresses USACE comments, and providing additional comments from USEPA on the vent installation plan.	
8/20/2018	Email from J. Laplante to USEPA G. Miller providing revised vent installation plan to address comments received from USEPA on August 17, 2018.	8/23/2018	Email from USEPA G. Miller to J. Laplante and D. Keith approving the vent installation plan and providing authorization to proceed with vent installation.	
8/21/2018	Submitted validated results from USEPA dive team sampling event and the Respondents' split samples.			
9/17/2018	TCRA Monthly Progress Report 080 email from J. Laplante to USEPA G. Miller and five hard copies.			
10/9/2018	Email from J. Laplante to USEPA G. Baumgarten stating we do not have any equipment working on or near the site right now, in response to USEPA email received this same day.	10/9/2018	Email from USEPA G. Baumgarten regarding equipment on a barge asking whether it is related to the bathymetric and topographic survey work or any other work going on at the site.	
10/9/2018	Email from J. Sampson to USEPA G. Baumgarten indicating that the database has been updated with Respondents' sample duplicates from dive team inspection.			
10/15/2018	Submitted TCRA Monthly Progress Report No: 081 on October 15, 2018.			
11/2/2018	Submitted TCRA Armored Cap Post USEPA Dive Inspection Maintenance and Vent Installation Completion Report.			
11/5/2018	Submitted Post-TCRA Quarterly Inspection Report - July 2018.			
11/5/2018	Email from J. Laplante to USEPA G. Baumgarten notifying USEPA of Respondents' intent to probe two areas of interest identified following review of the Q4 inspection survey data.			

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Respondents Submittal Date	Respondents Communication Summary	Response from USEPA Date	USEPA Communication Summary	Notes
11/7/2018	Email from W. Mears to USEPA G. Baumgarten notifying USEPA of Respondents' intent to place additional armor rock on November 8, 2018, in 2 small areas of the Eastern Cell, and 2 small areas of the submerged Northwestern Slope where the full thickness of armor rock could not be confirmed during probing conducted November 6, 2018.			
11/7/2018	Email from W. Mears to USEPA G. Baumgarten requesting status of USEPA maintenance approval, and notifying that maintenance Contractors were on standby for starting work on November 8, 2018.	11/7/2018	Response from USEPA G. Baumgarten to W. Mears indicating that he was still awaiting Management Approval of Respondents' plan to conduct maintenance.	
11/8/2018	Email from W. Mears to USEPA G. Baumgarten requesting status of USEPA maintenance approval and notifying USEPA that without approval Respondents would need to release for the weekend the Contractor currently on standby to conduct maintenance.	11/8/2018	Response from USEPA G. Baumgarten to W. Mears indicating that he was still awaiting Management Approval of Respondents' plan to conduct maintenance.	
11/9/2018	Email from W. Mears to USEPA G. Baumgarten acknowledging USEPA approval to conduct maintenance, and indicating maintenance is planned for November 14, 2018.	11/9/2018	Email from USEPA G. Baumgarten to W. Mears providing USEPA approval to conduct maintenance, acknowledging that work would begin after the holiday during the week of November 12, and requesting that work not be initiated until after USEPA G. Baumgarten visits the site, which is planned to start November 13, 2018.	

**-SCHEDULE-
SAN JACINTO RIVER WASTE PITS SUPERFUND SITE**



Project: San Jacinto River Waste Pits Superfund Site
 Draft Schedule
 Date: Fri 11/19/10

Critical Critical Split Task Progress Milestone Slack Summary Project Summary Rolled Up Critical Rolled Up Critical Split External Task External Milestone Deadline